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ACH 102.1: Script Development and Play Reading Workshop
Meeting Pattern: M 11:00AM - 12:50PM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Tabler Center Blackbox (110)

What is important to you and how can you express those ideas in dramatic form? Students will learn that there are many different dramatic forms through which ideas may be expressed. In this seminar we will pay special attention to the 10-Minute play format, which has become a staple of many regional theatre and playwriting organizations around the country. All students who participate in this workshop will share their ideas through writing plays.

Instructor: Steve Marsh, Theatre Arts

Steve Marsh is an actor, literary manager and dramaturg. He is the director of graduate studies in SBU’s department of Theatre Arts where he teaches play analysis, acting and dramaturgy. As an associate of the School of Journalism’ Center for Communicating Science, he teaches a nationally acclaimed workshop in Improvisation for scientists. Steve has been literary manager for the John Gassner New Play Competition at SBU, a national playwriting competition now in its 9th year.

ACH 102.2: The Telepresent Self
Meeting Pattern: TU 9:00AM -10:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Tabler Center 105

Who are we online? Who are we ‘broadcasting’ to from our smartphones? What is the ‘glue of the self’ when we feel pulled from every direction? Texting while driving has become the leading cause of traffic accidents. Why? This is a course that explores the self using a number of open source software, wild interfaces, and social media sites. Design the zero-distance space! The university of the future. Critically look at the construction of your ‘self’ on all your social media sites! Add as many human-computer interface devices as possible. We will play with the Kinect and the Neuro-sensor cap to have gesture and emotion move motors, film, and sound!

Instructor: Phillip Baldwin, Theater Arts

Phillip Baldwin is a scenographer, immersive environment designer. He has current research and authorship in the relationship of space to telematics and telepresence and conducts SB study abroad programs in Rome and Seoul. He integrates the ‘zero distance’ telematics with public installation and conducts a campus and Brooklyn based grant writing group and NGO: ‘Global Civic Media’. MFA from Yale University in design, FAAR, Fellow of the American Academy in Rome 1994. Mr. Baldwin worked and lived in Seoul, Tokyo, Rome, NYC, Singapore on various scenographic and digital media/telematics projects and is the recipient of numerous yearly awards, grants, and prizes including the Japan Foundation Prize 1996 for work in Design, Performance, and Information Technology, Recipient of the National Endowment for the Arts Award, Jerome Foundation Grant for Collaboration, Japan-US Partnership for the performing arts, Korea Industrial development grant, Singapore Interactive media grants, and other grants and research in Art and Technology. He is interested in the relationship of human computer interface and the performing arts, maintains a design practice and business in New York City and lives in Brooklyn.
ACH 102.3: Interactive Public Art
Meeting Pattern: TU 7:00PM - 8:50PM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Tabler Center 105

What is public Art?  What is the recent ‘Interactive Public Art?  This is a course on the history, theory, and practice of the field of Public Art, and Interactive Public Arts and Media.  The course will give the student a strong foundation in the aesthetics and culture of ‘the Public’, spectacle, Hybrid forms of art, and the new intersections of personal, natural, urban, and now telematic geographies.  From this course the student will develop skills and pedagogies for similar fields such as event and museum design.  Public art has often given us the best ‘snapshot’ of the cultural health of a city or society.  It is often the public and monumental art that becomes the best symbol of great historical and international cities such as Paris, New York, Rome, Tokyo, and Berlin.  Yet what are the ingredients that go into Public art, public monuments, or public media?  Is there or should there be a ‘method’ if we are using the public space?  How can citizens participate with large scale works of art if we add the notion of ‘interactive’ to public art and media?  How do we ask the right questions of all participating members for a work that aspires to be ‘Public’?  How can the new ‘geographies’ of the Internet and cell phones be incorporated in the urban fabric?  It is in this area that an artist can excel as a sort of statesman, public mentor, or messenger.  In this class we will study and conduct creations in interactive public art, public media.  From the history of Roman public spectacle to the exhibitions of the European 19th we will open discourses on the nature and dynamics of public art and media.  With the opening of the ‘third geographies’ of the internet and ‘telematic art’ we see new frontiers of interactive public art and media where many emerging world cities seek ‘branding value’ through their cultivation of public art and media.

Instructor: Phillip Baldwin, Theater Arts

Phillip Baldwin is a scenographer, immersive environment designer.  He has current research and authorship in the relationship of space to telematics and telepresence and conducts SB study abroad programs in Rome and Seoul.  He integrates the ‘zero distance’ telematics with public installation and conducts a campus and Brooklyn based grant writing group and NGO: ‘Global Civic Media’.

ACH 102.5: Filthy Shakespeare
Meeting Pattern: TH 1:00PM - 1:53PM
Location: Tabler Center Blackbox (110)

Shakespeare's astonishing genius lies in his supreme understanding of the human condition, and one of his favorite devices for getting his audience to explore the funny as well as the serious side of life was to play to its love of decoding meanings by making his tantalizing subtext sizzle.

The works of Shakespeare contain more than 700 puns on sex and more than 400 on genitals.  Shakespeare's sexual wordplay ranges from uproarious innuendoes to profoundly moving expressions of emotional pain.  His kings, queens, and aristocrats are as foul-mouthed as his clowns, and his women are expert dealers in the raciest double-entendres.

Shakespeare lived in a world that was vulgar and brutal by our standards, and people across the social spectrum spoke in a language that was full of colorful, bawdy and often blatantly filthy speech.

This course will explore the filthy side of Shakespeare’s London as well as the raunchier elements of his plays, and through them gain a greater understanding and appreciation of the life and work of the greatest of all writers.

Instructor: Howard Gimple, Office of Communications

Howard Gimple is senior writer and sports editor in the Stony Brook University Office of Communications.  He co-wrote the University’s Fight Song as well as a song for the horror movie, Rejuvenator.  Howard has been a penslinger for most of his adult life.  He was a copywriter and creative director for several ad agencies, has written English dialogue for the American releases of Japanese anime cartoons, and was the writer-editor of a newsletter for the New York Giants.  Howard is the author of three suspense novels, Deadly Refuge, Tiebreak, and Death & Tennis.  His current work-in-progress, Shakespeare’s Table, is informed by his lifelong interest in William Shakespeare.
ACH 102.6: High Fantasy
Meeting Pattern: TU 1:00PM - 1:53PM
Location: Tabler Center 107

We will work with the novel THE HUNGER GAMES and examine its social implications for our society. We will also watch the movie and discuss how the changes detract from or enhance the message of the novel.

Instructor: Bente Videbaek, English

Bente Videbaek was born in Denmark and holds degrees in English and Danish/Scandinavian from the University of Copenhagen. After moving to the United States in 1985, she obtained a doctoral degree from Northwestern University, Illinois. Her main area of interest is British Renaissance drama.

ACH 102.8: How To Write A Novel
Meeting Pattern: M 11:00AM-11:53AM
Location: Melville Library S1410

During the course of the semester, we will learn how to write a novel, and in fact write our own novel. This is therefore a creative class, based on our own imagination and creativity. There is no specific material to read, but one’s own mind to express, and at the end the beauty is to have a finished novel to show.

Instructor: Patrice Nganang, Cultural Analysis and Theory

Patrice Nganang's intellectual work covers scholarly activities, writing and essayistic interventions. As a scholar, he investigates the diverse ramifications of violence, and he is particularly interested in what is commonly referred to as the “colonial archive” (pictures, books, instruments). He has published and lectured extensively on this topic. He has also published on numerous topics related to postcolonial African literature, theatres and cultures. In his writing, my goal is to transform the city of his birth, Yaounde, into a library, to reconstruct the voices, smells, tastes and languages of people, animals and plants, in order to create a sense of that city in letters. For after all, one cannot return to the place of one’s birth.

ACH 102.7: High Fantasy
Meeting Pattern: TU 2:30PM-3:23PM
Location: Tabler Center 107

We will work with the novel THE HUNGER GAMES and examine its social implications for our society. We will also watch the movie and discuss how the changes detract from or enhance the message of the novel.

Instructor: Bente Videbaek, English

Bente Videbaek was born in Denmark and holds degrees in English and Danish/Scandinavian from the University of Copenhagen. After moving to the United States in 1985, she obtained a doctoral degree from Northwestern University, Illinois. Her main area of interest is British Renaissance drama.

ACH 102.9: From Ammore to Zazzà: The Language and Culture of Naples.
Meeting Pattern: F 1:00PM - 1:53PM
Location: Humanities 2047

Naples is one of the most controversial cities in the world; it is the land of the most powerful crime organization in Europe: the Camorra; but it is also an historical symbol of music and art. With the help of different media and technology we will be able to study its culture and its language and we will discover the most iconic aspects of the city as we immerse ourselves in its streets and alleys.

Instructor: Giuseppe Costa, European Languages, Literatures, and Cultures

Giuseppe Costa is a Lecturer of Italian. His interests include Italian Cinema, Organized Crime in Naples, Italian Language and Culture acquisition and the integration of technology into language teaching.
ACH Course Offerings

ACH 102.10: Public Speaking and Presentation
Meeting Pattern: W 7:00PM - 8:50PM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Tabler Center 107

This course will give the student practical experience and training in delivering prepared speeches as well as explore communication skills in interviewing and other less formal situations.

Instructor: Elizabeth Bojsza, Theater Arts

Elizabeth Bojsza graduated from Stony Brook University's MFA dramaturgy program in 2004, and has stayed on at Stony Brook as an adjunct faculty member. As the department of Theatre Arts' Graduate Teaching Mentor, Ms. Bojsza mentors and supervises graduate students in their teaching practice. She also teaches public speaking, screenwriting, play analysis, American Theatre, and co-teaches Prevention Through the Arts with Lara Hunter. Ms. Bojsza received the Stony Brook University's John Gassner Award for Dramaturgy in 2004. On days she is not seen around the department, Ms. Bojsza is fulfilling her responsibilities as Literary Manager of Young Playwrights Inc, a non-profit theatre company founded by Stephen Sondheim and dedicated to fostering the development of playwrights 18 years of age and younger. She also works professionally as a dramaturg and director of community performance projects.

ACH 102.11: Cultural Enigmas
Meeting Pattern: TH 4:00PM- 4:53PM
Location: Melville Library E5340

Mystifying U.S. cultural patterns such as free coffee refills, the ubiquity of jeans, the covering and removal of hair, tattoos and the use of animals as totems will be considered.

Instructor: William Arens, Anthropology/ International Academic Programs and Services/ Global Affairs

William Arens, received his Ph.D. in Social Anthropology from the University of Virginia based upon dissertation research in Northern Tanzania. He was appointed to the faculty of SBU in 1970 and is now Professor of Anthropology, since 2003 Dean of International Academic Programs and Services, and now Vice Provost for Global Affairs. Previously he served as chair of the Department of Anthropology and Associate Dean of the Graduate School. He is the author of On the Frontier of Change (Michigan), The Man Eating Myth (Oxford) and The Original Sin (Oxford). He has also edited A Century of Change in Eastern Africa, (Mouton), The American Dimension, (Alfred) and The Creativity of Power (Smithsonian). He is the recipient of Fellowships and Awards from the National Institute of Mental Health, the Social Science Research Council, as well as, Senior Fulbright and Rockefeller Fellowships and an Honorary Doctorate from the University of Gothenburg, Sweden.
ACH 102.12: Introduction to Studio Art
Meeting Pattern: M 4:00PM - 5:50PM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to March 15)
Location: Staller 0045

This course is an introduction to creative process in art making. Students will learn various creation methods through hands-on projects with demonstrations, and studio practice. Conceptual concerns will be explored by the class through lectures, group discussions, and project critiques.

Instructor: Nobuho Nagasawa, Art

Nobuho Nagasawa was raised in Europe and Japan, and received her MFA in Berlin. Her invitation to the US came from California Institute of the Arts, where she studied art, critical theory, and music. She is an interdisciplinary artist whose site-specific works explore the places, politics, ecology, and psychological dimensions of space and people. Her work involves in-depth research into the cultural history and memory, and extensive community participation. Nagasawa was an Associate Professor at US Santa Cruz prior to joining the faculty at Stony Brook in 2001.

ACH 102.13: Performance and Anthropology
Meeting Pattern: TU 1:00PM - 2:20PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: Melville Library S1410

Anthropology boasts fieldwork as its chief method to examine, research, discover, and write culture. But, as the personal becomes political, the “field” transforms into a problematic, complex and extraordinarily rich site, which, not only allows for doing ethnography, but exploring the politics and poetics of life experiences. This class uses the experience of fieldwork to create individual student performance works. Students will choose sites, conduct fieldwork, and test different methodologies, including: interviewing, storytelling, field recording and journaling. We will explore theater, performance and anthropological texts, write scripts, workshop performances, and by the end of class, have developed individual performances based on experiences in the field.

Instructor: Jessica Calvanico, Theater Arts

Jessica Calvanico studied social sciences at the University of Chicago. She has conducted fieldwork in Washington D.C., Chicago, and the Mississippi Delta studying music, performance, myth and how they intersect with race, gender, space and ethnography. She recently published a series of short ethnographic plays to accompany her performative lecture series. She has performed at the Art Institute of Chicago as well as MoMa PS1. Currently, she is working on an performance-based ethnographic fairy tale project.
ACH Course Offerings

ACH 102.14: James Joyce's Ulysses
Meeting Pattern: TH 5:30PM - 6:23PM
Location: Humanities 3020

James Joyce’s 1922 novel Ulysses is often considered not only one of the most important and influential literary works of the 20th century, but also one of the most difficult. This course will aim at once to appreciate, enjoy, engage with and demystify Joyce's novel. We'll read approximately a chapter of the novel every week over a 14 week period.

Instructor: Michael Rubenstein, English

Michael Rubenstein teaches 20th-Century British and Irish literature and culture in the English Department at Stony Brook University. He has previously taught at Tulane University and the University of California, Berkeley. His book, Public Works: Infrastructure, Irish Modernism, and the Postcolonial (University of Notre Dame Press, 2010), received the 2010 American Conference for Irish Studies Robert Rhodes' Prize for a book on an Irish topic, and the 2010 Modernist Studies Association Prize. A new essay, about the "Aeolus" and "Wandering Rocks" episodes in James Joyce's Ulysses, is forthcoming in The Cambridge Companion to James Joyce's Ulysses.

ACH 102.15: Classics of Ancient China
Meeting Pattern: TU 2:30PM - 3:23PM
Location: Tabler Center 104

Introductory survey of selected texts from ancient China and wide-ranging discussion of their ideas and insights on human life, culture, and the basis of society, including their relevance today.

Instructor: Gregory Ruf, Cultural Analysis & Theory

Gregory Ruf is an Associate Professor holding a joint appointment in Asian and Asian American Studies and Anthropology, and is part of the graduate faculty in the Interdisciplinary Doctoral Program in Anthropological Sciences (http://www.anat.stonybrook.edu/IDPAS/). Ruf teaches courses on 1) Revolutionary China; 2) Environmental History of China; 3) Ancient China; 4) Family, Marriage, and Kinship in China; 5) Ethnicity and Ecology in China; and 6) the China Studies seminar on ancient Chinese classical texts. In 2009, he led a month-long study tour that took students through six different provinces of China.

ACH 102.16: Human Nature, Human Culture
Meeting Pattern: TU 4:00PM - 4:53PM
Location: Tabler Center 104

Wide-ranging critical discussion of the concepts of ‘Culture’ and ‘Human Nature’ from an anthropological perspective, including consideration of biological, behavioral, and symbolic factors.

Instructor: Gregory Ruf, Cultural Analysis & Theory

Gregory Ruf is an Associate Professor holding a joint appointment in Asian and Asian American Studies and Anthropology, and is part of the graduate faculty in the Interdisciplinary Doctoral Program in Anthropological Sciences (http://www.anat.stonybrook.edu/IDPAS/). Ruf teaches courses on 1) Revolutionary China; 2) Environmental History of China; 3) Ancient China; 4) Family, Marriage, and Kinship in China; 5) Ethnicity and Ecology in China; and 6) the China Studies seminar on ancient Chinese classical texts. In 2009, he led a month-long study tour that took students through six different provinces of China.
ACH 102.17: Film Serials, Series and Franchise Films
Meeting Pattern: W 2:30PM - 3:23PM
Note: this class meets 1 hour / week for 7 weeks (January 28 to March 15) and includes a film screening
Location: Tabler Center 107

Did you know that franchise films like X-Men, Batman and Transformers have their origins in the film serials from cinema’s early years? In this class we’ll go back to those old films (The Perils of Pauline, The Hazards of Helen, and Flash Gordon just to name a few) as we explore the more recent ones and look at their evolution: are they really so different from their earlier incarnations? How is it that the serial became the franchise film? Why is it that the movie industry has changed but the stories that they employ remain the same? This course is a seven-week class: students will attend a two-hour screening once per week and a one-hour class per week for seven weeks. You will be required to keep a film journal and complete a final project at the end of the course.

Instructor: Jacqueline Reich, Cultural Analysis and Theory

Jacqueline Reich, when she is not Faculty Director of ACH, is Associate Professor of Cinema and Cultural Studies in the Department at Cultural Analysis and Theory. She has been at Stony Brook since 1995, and her areas of expertise include star studies, masculinity, film history and theory, fashion studies, and Italian and Italian American cinema. She is the author of Beyond the Latin Lover: Marcello Mastroianni, Masculinity, and Italian Cinema (Bloomington: Indiana UP, 2004) and co-editor of Reviewing Fascism: Italian Cinema, 1922-1942 (Bloomington: Indiana UP, 2002). She also curates the book series New Directions in National Cinemas for Indiana University Press. In addition, she has published and lectured widely on Italian American film, fashion and Italian cinema, and early twentieth-century physical culture in the United States and Italy. In Fall 2011 she was awarded a mid-career fellowship from the Howard Foundation at Brown University.

ACH 102.19: Exploring the Music of Bob Dylan
Meeting Pattern: F 10:00AM - 11:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Melville Library S1410

Bob Dylan has produced one of the most influential bodies of work in music and writing since the 1960’s. His work has changed music and has influenced how millions of people think and arguably will continue to do so. In this course, students will be introduced to his major works and learn about the influences of key individuals and societal changes that shaped Dylan’s work.

Instructor: Nicholas Fisher, School of Marine and Atmospheric Sciences

Nicholas Fisher is a Distinguished Professor of Marine Sciences at Stony Brook, and a life-long fan of Bob Dylan.
ACH Course Offerings

ACH 102.20: Movement for Actors
Meeting Pattern: M 9:00AM - 10:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Tabler Center Blackbox (110)

This course expose the students to various techniques designed to challenge them physically and psychologically through such discipline as physical theater, mime, character building and abstracts compositions. Students explored the basic principle of actors playing: present on stage and the significant body.

Instructor: Margarita Espada-Santos, Theater Arts

Margarita Espada has traveled the world in her careers as a Puerto Rican artist, educator and cultural organizer, training in physical approach to theater practice. She has worked as a professional artist in many countries including Paris, Brazil, Denmark, Cuba, Puerto Rico, Venezuela, Colombia and New York. She is the founder and executive-artistic director of Teatro Yerbabruja, an organization formerly based in Puerto Rico and now based on Long Island, that uses the arts as a tool for social change. In 2009, the organization produced a community-based performance piece called “What Killed Marcelo Lucero?” based on the November 2008 hate crime killing of Ecuadorian immigrant Marcelo Lucero. Margarita has a master's degree in fine arts in dramaturgy from Stony Brook University and is also a New York State-certified teacher. She has received numerous awards and proclamations for her leadership and community work, including a 2006 “Woman of the Year” award from the Latin American Chamber of Commerce & Industry of New York for her contributions to the arts on Long Island, 2010 community advocate of the Year from the Working Family Party, 2011 Cultural Activist Award from Central American Refuge Center, 2011 Long Island Jobs with Justice award for the dedication to Social Justice. She is a Board member of Long Island Immigrant Alliance, a member of the International School for Latin-American and Caribbean Theater of UNESCO and the National Association for Latino Arts & Culture. She represents the United States in the “International Visitor’s Program’s” with France as an artist and activist. As a community organizer, she uses the arts to promote social change. Her use of the arts as a tool to promote civic dialogue among the diverse communities on Long Island has gained her the respect of community leaders and grassroots organizations alike. Her work has also been featured in media outlets such as Newsday, The New York Times, and the Associated Press.

ACH 102.21: Did You Hear That? – Sonic Art Using Computers
Meeting Pattern: W 2:30PM- 3:23PM
Location: Staller 4255

Computer music, electronic music, sound design. By any name, recent years have seen an explosion of creative activities in computer-aided sonic art. Be a part of it! Learn about acoustics, hard-disk recording, mixing and editing, sound manipulation, digital sound effects, and composition with sound. Listen to and discuss the best pieces from this growing area of music. Explore the microscopic inside of a sound. Under the friendly guidance of internationally known composer Dr. Daniel Weymouth, you will discover a new way of hearing, and of approaching sound. And, you will create! This is a project-based course: the end of the course will be a concert featuring pieces you all have created, using widely available freeware. No prior musical experience is required, just an interest in sound! Basic computer literacy (nothing fancy) is assumed. Students will need to have access to a computer on which they can install freeware.

Instructor: Daniel Weymouth, Music

Daniel A. Weymouth composes electroacoustic music, as well as non-electronic music that tends to sound electronic. He is interested in highly kinetic works, perhaps because of decades spent as an itinerant musician, playing jazz, C&W, rock, disco (!), R&B and funk. Commissions have come from international ensembles, as well as a wide range of wonderful musicians; recordings are on SEAMUS, Bridge, and New World Records. He co-hosted the 2010 International Computer Music Conference at Stony Brook University, where he is Director of cDACT (Consortium for Digital Arts, Culture and Technology), and a member of the Music Composition faculty.
ACH 102.22: Camorra: Europe's Bloodiest Mafia
Meeting Pattern: W 2:30PM - 3:23PM
Location: Tabler Center 104

Naples, Italy is one of the most controversial cities in the world; it is the land of the most powerful crime organization in Italy: the Camorra. With the help of various media we will analyze the historical and cultural roots of the oldest form of organized crime in Italy.

Instructor: Giuseppe Costa, European Languages, Literatures, and Cultures

Giuseppe Costa is a Lecturer of Italian. His interests include Italian Cinema, Organized Crime in Naples, Italian Language and Culture acquisition and the integration of technology into language teaching.

ACH 102.23: Speed! Humans and Emotions in Motion at the Dawn of the Automobile Era
Meeting Pattern: TH 4:00PM- 4:53PM
Location: Tabler Center 107

Through the examination of excerpts from plays, novels, memoirs, and other material, this class focuses on the cultural and social changes that accompanied the introduction of the automobile in the early 1900s.

Instructor: Andrea Fedi, European Languages, Literatures, and Cultures

Andrea Fedi is an Associate Professor of Italian. His interests include Second Language and Second Culture Acquisition, and the integration of technology into language teaching and research in the Humanities.

ACH 102.24: The Afterlives of Edgar Allan Poe
Meeting Pattern: TU 10:00AM - 11:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Tabler Center 104

This course will focus on some of the most influential of Poe's stories and poems and examine the many different cultural interpretations they have inspired, including films, paintings, musical albums, graphic novels and comics. We will think about why Poe's works have had such powerful and various resonance at different historical moments. For their final project, students will produce their own adaptation or interpretation of a Poe work in any medium they choose.

Instructor: Susan Scheckel, English

Susan Scheckel did her PhD at UC-Berkeley and taught at The University of Memphis and University of Southern California before coming to Stony Brook in 2000. She teaches nineteenth-century literature and culture with a special interest in the history of race and nationalism. Current projects include a book manuscript on American Genealogies of Nostalgia (focusing on the eighteenth to early twentieth century) and articles on Native Americans in nineteenth-century magazines and photography; the illustrated volumes of Paul Laurence Dunbar's poetry, and nostalgia in Charles Chesnutt's conjure tales.
ACH Course Offerings

ACH 102.25: Deep Listening
Meeting Pattern: M 1:00PM - 1:53PM
Location: Tabler Center Blackbox (110)

Deep Listening® is a philosophy and practice developed by Pauline Oliveros that distinguishes the difference between the involuntary nature of hearing and the voluntary selective nature of listening. The result of the practice cultivates appreciation of sounds on a heightened level, expanding the potential for connection and interaction with one's environment, technology and performance with others in music and related arts. The practice of Deep Listening provides a framework for artistic collaboration and musical improvisation and gives composers, performers, artists of other disciplines, and audiences new tools to explore and interact with environmental and instrumental sounds. Dr. Margaret Schedel holds a certificate in Deep Listening which means she has completed three years of training (and actually did five) with the founding teachers of Deep Listening.

Instructor: Margaret Schedel, Music

Margaret Anne Schedel is a composer and cellist specializing in the creation and performance of ferociously interactive media whose works have been performed throughout the United States and abroad. While working towards a DMA in music composition at the University of Cincinnati College Conservatory of Music, her interactive multimedia opera, A King Listens, premiered at the Cincinnati Contemporary Arts Center and was profiled by apple.com. She holds a certificate in Deep Listening with Pauline Oliveros and has studied composition with Mara Helmuth, Cort Lippe and McGregor Boyle.
GLS 102.1: Understanding Globalization
Meeting Pattern: M 11:00AM - 11:53AM
Location: Melville Library N3090

This course is an introduction to the contemporary world-system. It seeks to explicate the workings of the global economy through an analysis of its complex networks of power relations. Special consideration will be given to the ways in which the world’s nation-states are being incorporated into the global economic system through capitalist ventures that tend to disrupt their domestic lives and tend to threaten their traditional integrity and stability. But, it will also address the opportunities that globalization presents. In addition, it will address the ways in which people’s lives around the world are being transformed, affecting the ways in which they see themselves.

Instructor: Georges Fouron, Africana Studies

Georges Eugene Fouron, a native of Haiti, is Professor of Education and Social Sciences at the State University of New York at Stony Brook. His research focus is transnationalism and its effects as experienced by Haitians in Haiti and those of the Haitian Diaspora. His latest book, authored with Nina Glick Schiller, Georges Woke up Laughing: Long-Distance Nationalism and the Search for Home, was published by Duke University Press in 2001. His latest manuscript, Haiti’s Migratory Streams at the Crossroads of Global Capitalism and the Politics of Competing Empires, is under review by Penn State Press.

GLS 102.2: Leadership and Culture
Meeting Pattern: M 4:00PM - 5:20PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: HDV Center 121

Preparation for leadership roles and ways to include social justice as part of effective leadership accomplishment, plus responding to the needs of disenfranchised (and less fortunate then ourselves) people.

Instructor: John Colon, School of Social Welfare

John Colon has an M.A. from the International American Academy of Puerto Rico. His research focuses on substance abuse, methadone treatment, and inner-city community-based organizations, and he has served as a grant reviewer for SAMSHA.

GLS 102.3: Global Science Fiction
Meeting Pattern: TH 11:30AM -12:23PM
Location: GLS Center 109

Although science fiction has long been thought of as a literary genre particular to Europe and the United States, in fact, science fiction has existed in many different locations. Recent inquiries have discovered a great deal of early sf, from nearly every continent. In our global, digital society, technology is ever more prevalent; stories that examine the effects and consequences of those technologies have become equally global. In this course, we will read and discuss recent sf stories and films from around the world.

Instructor: Ritch Calvin, Cultural Analysis and Theory

Ritch Calvin is an Assistant Professor of Women’s and Gender Studies in the Department of Cultural Analysis and Theory. He is the Immediate Past President of the Science Fiction Research Association, and the media reviews editor of the SFRA Review.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>GLS 102.4</td>
<td>Perspectives on Globalization</td>
<td>M 1:00PM -2:50PM</td>
<td>this class meets 2 hours / week for 7 weeks (January 28 to March 15)</td>
<td>Melville Library N3090</td>
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<tr>
<td>GLS 102.5</td>
<td>The Languages We Use at Home</td>
<td>W 9:00AM -10:50AM</td>
<td>this class meets 2 hours / week for 7 weeks (January 28 to March 15)</td>
<td>Harriman Hall 115</td>
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This course intends to give a critical overview of contemporary theories of Globalization. It will address topics such as trade and cultural exchanges from the Renaissance to today, the rise of nationalism and the problem of tariffs and border protection/crossings, the creation of inter- or supra-national bodies for investment, supervision and governance, and examine some positions for or against this dominant socio-economic ideology.

**Instructor:** Peter Carravetta, European Languages, Literatures, and Cultures

Peter Carravetta is Alfonse M. D'Amato Chair in Italian and Italian American Studies in the Department of European Languages, Literatures, and Cultures. His academic interests are Italian and French critical theory, postmodernism, Italian-American studies, migration and postcolonial studies, early modern Europe, poetics, and XIX century studies.

**Instructor:** Agnes He, Asian and Asian American Studies

Dr. Agnes Weiyun He is Professor of Applied Linguistics and Asian Studies. She has conducted research on heritage language development for the past ten years. Her most recent publication is *Chinese as a Heritage Language: Fostering Rooted World Citizenship* (co-edited with Yun Xiao, University of Hawaii Press, 2008).
GLS 102.6: When the Rivers Run Dry
Meeting Pattern: W 2:30PM - 3:23PM
Location: SSO Center 103

Participants in this seminar will explore the science and politics behind global water crisis by reading Fred Pearce’s book and discuss assigned readings in class. Discussion leaders will use 15–minute powerpoint presentations followed by general discussion. The book, ‘When the rivers run dry’, provides some of the most interesting, nerve-wracking, disappointing, and infuriating stories and statistics on water politics worldwide. The author brings depth to the subject and approaches the issues facing water management (and rather more often the appalling mismanagement) from several angles that make this book a joy to read.

Instructor: Kamazima Lwiza, School of Marine and Atmospheric Sciences

Dr. Kamazima Lwiza is a marine physicist. He studies ocean and lake processes that affect water physical properties, e.g., temperature, salinity, stratification, and dissolved oxygen concentration. These processes may include climate change, transport (e.g., currents and tides) and density distribution (e.g., mixing and heat balance). His research interests are the structure and dynamics of shelf-seas and lakes, remote sensing oceanography and biological-physical interactions which affect ecology. He incorporates technologies like the acoustic Doppler current profiler (ADCP), GPS-tracked Lagrangian drifters and satellites

GLS 102.7: The Sociology of Slavery
Meeting Pattern: W 10:00AM - 11:50AM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to March 15)
Location: GLS Center 109

This course will examine the development and variety of slavery systems throughout human history and across societies. We will explore different forms of slavery throughout Europe, Africa, Asia and the Americas. In particular, we will focus on the following questions: How were enslaved populations defined and treated within their societies? How and why have social norms related to enslavement changed over time? To what extent was the transatlantic slave trade distinctive? How is modern-day slavery similar to, and different from, historical forms? Finally, we will examine how the history of slavery and slave trades are being commemorated, debated and represented in a range of social contexts. The course will include select viewings of films related to the history of slavery, including the 1977 miniseries Roots.

Instructor: Crystal Fleming, Sociology

Crystal Fleming is a cultural sociologist whose research is concerned with understanding how individuals interpret and respond to racism and discrimination. At the heart of her work is an interest in reducing group boundaries and revealing the conditions and mechanisms that promote inter-ethnic solidarity, empathy and cooperation. Related interests include ethnoracial identification, collective memories of ethnoracial conflict (including slavery and colonization) and variations in the cultural repertoires that shape individuals’ expectations for inter-group relations and fairness across different national settings. In short, she investigates how ethnoracial identities and boundaries influence the ways individuals interpret their everyday experiences and the manner in which they define a "just" society.
GLS Course Offerings

GLS 102.8: Environment & Development in China
Meeting Pattern: TU 11:30AM -12:23PM
Location: GLS Center 109

Wide-ranging critical discussion of the ecological effects of economic growth in contemporary China, and the implications this may pose for the future of the human species.

Instructor: Gregory Ruf, Cultural Analysis & Theory

Gregory Ruf is an Associate Professor holding a joint appointment in Asian and Asian American Studies and Anthropology, and is part of the graduate faculty in the Interdisciplinary Doctoral Program in Anthropological Sciences (http://www.anat.stonybrook.edu/IDPAS/). Ruf teaches courses on 1) Revolutionary China; 2) Environmental History of China; 3) Ancient China; 4) Family, Marriage, and Kinship in China; 5) Ethnicity and Ecology in China; and 6) the China Studies seminar on ancient Chinese classical texts. In 2009, he led a month-long study tour that took students through six different provinces of China.

GLS 102.9: Tibet
Meeting Pattern: W 9:00AM - 9:53AM
Location: GLS Center 109

Introduction to and wide-ranging discussion of Tibetan culture and history, including natural environment, cultural ecology, social life, and spiritualism.

Instructor: Gregory Ruf, Cultural Analysis & Theory

Gregory Ruf is an Associate Professor holding a joint appointment in Asian and Asian American Studies and Anthropology, and is part of the graduate faculty in the Interdisciplinary Doctoral Program in Anthropological Sciences (http://www.anat.stonybrook.edu/IDPAS/). Ruf teaches courses on 1) Revolutionary China; 2) Environmental History of China; 3) Ancient China; 4) Family, Marriage, and Kinship in China; 5) Ethnicity and Ecology in China; and 6) the China Studies seminar on ancient Chinese classical texts. In 2009, he led a month-long study tour that took students through six different provinces of China.

GLS 102.10: What in the World Should We Do with Radioactive Wastes?
Meeting Pattern: TH 1:00PM -2:50PM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Melville Library 3090

The build-up of radioactive wastes around the world has posed enormous environmental challenges to both developed and developing nations. This course will consider the many societal, technological, toxicological, and political problems associated with this issue and explore possible solutions.

Instructor: Nicholas Fisher, School of Marine and Atmospheric Sciences

Nicholas Fisher is a Distinguished Professor of Marine Sciences at Stony Brook. His research concentrates on aquatic pollution matters.
GLS 102.11: Global Games and Game Theory
Meeting Pattern: F 11:00AM - 12:50PM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to March 15)
Location: Harriman Hall 243

This seminar is about international games, game theory, and global politics. The mathematician John von Neumann (1903-1957) and the economist Oskar Morgenstern (1902-1977) in their revolutionary book Theory of Games and Economic Behavior (1944) argued that economics and social behavior “when they are examined by the methods of modern mathematics…are strictly identical with—not merely analogous to—games of strategy.” This seminal work gave birth to game theory. In this course you’ll be invite to enjoy (and to share) with others a variety of international games—simple games such as tic-tac-toe generalized to four dimensions or quantum mechanical variations as well as more complex games like Western chess (played with partners, known as “Siamese chess” or “bug house”, Chinese chess, and Go and Go-mo-ku. We will explore how these games, besides their obvious recreational values, through the basic concepts of game theory, can give us insight into selfish accounts of altruism and the logic behind the seemingly irrational realm of global politics.

Instructor: Gary Mar, Philosophy

Professor Gary Mar is a mathematical logician, member of the Suffolk County Human Rights Commission, and founding director of the Asian American Center at Stony Brook University

GLS 102.12: Introduction to Environmental Economics
Meeting Pattern: M 11:00AM-12:50PM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to March 15)
Location: Melville Library W0518

This course will examine current issues involving production, consumption and distribution choices individuals and society make with trade-offs related to environmental quality issues.

Instructor: Arlene Cassidy, Sustainability Studies

Dr. Arlene Cassidy has several years experience developing curriculum and teaching a variety of economics, mathematics and business courses for undergraduate as well as graduate students. Her teaching incorporates the traditional process of production, consumption and distribution with the addition of how these systems effect sustainability of the world’s resources. She believes a system approach to the problems of residuals from economic activity should incorporate several fields of study, and she collaborates with other faculty members to formulate new interdisciplinary approaches to contemporary environmental quality issues.
GLS Course Offerings

GLS 102.13: Environment & Development in China
Meeting Pattern: TU 10:00AM - 10:53AM
Location: GLS Center 109

Wide-ranging critical discussion of the ecological effects of economic growth in contemporary China, and the implications this may pose for the future of the human species.

Instructor: Gregory Ruf, Cultural Analysis & Theory

Gregory Ruf is an Associate Professor holding a joint appointment in Asian and Asian American Studies and Anthropology, and is part of the graduate faculty in the Interdisciplinary Doctoral Program in Anthropological Sciences (http://www.anat.stonybrook.edu/IDPAS/). Ruf teaches courses on 1) Revolutionary China; 2) Environmental History of China; 3) Ancient China; 4) Family, Marriage, and Kinship in China; 5) Ethnicity and Ecology in China; and 6) the China Studies seminar on ancient Chinese classical texts. In 2009, he led a month-long study tour that took students through six different provinces of China.

GLS 102.14: The Black Experience from the Global Perspective
Meeting Pattern: TH 9:00AM - 10:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Melville Library S1410

The Black Experience from the Global Perspective explores the issue of race and identity from a global perspective. Over the course of the semester the short stories, essays, and movies will offer a perspective of the black experience from individuals living in the US, UK, South Africa, and France. Our purpose will be to examine the different and similar ways black people across the globe celebrate their African ancestry and at the same time struggle with racial identity, discrimination, and marginalization.

Instructor: Tracey Walters, Africana Studies

Tracey Walters is an Associate Professor in the Department of Africana Studies affiliated with the Comparative Literature, English, and Women's Studies departments. Her areas of interest include African American Literature and culture, Black British Literature, and Global Women's Literature.

GLS 102.15: Speed! Humans and Emotions in Motion at the Dawn of the Automobile Era
Meeting Pattern: TH 5:30PM - 6:23PM
Location: GLS Center 109

Through the examination of excerpts from plays, novels, memoirs, and other material, this class focuses on the cultural and social changes that accompanied the introduction of the automobile in the early 1900s.

Instructor: Andrea Fedi, European Languages, Literatures, and Cultures

Andrea Fedi is an Associate Professor of Italian. His interests include Second Language and Second Culture Acquisition, and the integration of technology into language teaching and research in the Humanities.

GLS 102.16: Soccer: Globalization, Culture, Nation and the "Beautiful Game"
Meeting Pattern: TU 5:30PM - 7:20PM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Melville Library S1410

We will examine the political, cultural and economic dimensions of football in the 20th and 21st centuries. Through readings, discussion and films, we will increase our understanding of the world’s most popular sport.

Instructor: David Maynard, University Scholars

Dave Maynard has taught and advised first year and high achieving students at Stony Brook since 2001. He earned his doctorate in Anthropology from CUNY in 1992. His teaching and research interests include globalization, social movements, and the mediascape. Dr. Maynard received a "Faculty Mentor of the Year Award" in 2010 from the Compact for Faculty Diversity Institute on Teaching and Mentoring. Dr. Maynard served as the Faculty Director of the University Scholars Program from Fall 2008 to Spring 2011, and he is delighted to continue his work with University Scholars students.
GLS Course Offerings

GLS 102.17: The Climate Debate
Meeting Pattern: TU 1:00PM - 1:53PM
Location: GLS Center 109

Opposing views of global climate change are contrasted in this course. Is the current pattern of global change a harbinger of great danger for humanity? Is it driven by human activity or is it a natural fluctuation? Do benefits of climate change outweigh the damage? These questions are explored by the students with their own analyses of climate data. Students will be guided in statistical analyses of data on temperature, precipitation, sea level and other climate variables using Excel.

Instructor: Sultan Hameed, School of Marine and Atmospheric Sciences

Sultan Hameed is a professor in the School of Marine and Atmospheric Sciences at Stony Brook. His research interests are in investigating the nature and causes of climate change in different parts of the world.

GLS 102.18: Russia Through Foreign Eyes
Meeting Pattern: M 10:00AM - 11:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: GLS Center 109

Following the dissolution of the Soviet Union in 1991, Russia ceased to occupy popular opinion to the degree it once did as the world’s greatest “Evil Empire.” More recently, this country, whose natural resource deposits are the richest in the world, and which in spite of its post-imperial losses still spans the immense space of Eurasia over eleven time zones has been – for a variety of reasons – attracting more attention. “Russia Through Foreign Eyes” invites students on a journey to Russia alongside some renowned non-Russian travel writers. The texts, photographs, and short documentary films analyzed in the seminar will lead to broader questions of representation as well as to a discussion of what the constituent elements of Russia’s representation are and whether we can see elements of a stereotype emerge from them.

Instructor: Izabella Kalinowska-Blackwood, Cultural Analysis and Theory

Izabela Kalinowska-Blackwood received her M.A. in English philology from the Adam Mickiewicz University in Poznan and her Ph.D. in Slavic literatures from Yale University. She specializes in Polish and Russian nineteenth-century literatures, and East-Central European cinema. She teaches courses in film studies, cultural studies, and literature.
GLS Course Offerings

GLS 102.19: Russia Through Foreign Eyes
Meeting Pattern: W 10:00AM - 11:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Physics P124

Following the dissolution of the Soviet Union in 1991, Russia ceased to occupy popular opinion to the degree it once did as the world’s greatest “Evil Empire.” More recently, this country, whose natural resource deposits are the richest in the world, and which in spite of its post-imperial losses still spans the immense space of Eurasia over eleven time zones has been – for a variety of reasons – attracting more attention. “Russia Through Foreign Eyes” invites students on a journey to Russia alongside some renowned non-Russian travel writers. The texts, photographs, and short documentary films analyzed in the seminar will lead to broader questions of representation as well as to a discussion of what the constituent elements of Russia’s representation are and whether we can see elements of a stereotype emerge from them.

Instructor: Izabella Kalinowska-Blackwood, Cultural Analysis and Theory

Izabela Kalinowska-Blackwood received her M.A. in English philology from the Adam Mickiewicz University in Poznan and her Ph.D. in Slavic literatures from Yale University. She specializes in Polish and Russian nineteenth-century literatures, and East-Central European cinema. She teaches courses in film studies, cultural studies, and literature.

GLS 102.20: Environmental Film and Literature
Meeting Pattern: W 10:00AM - 10:53AM
Note: this class meets 1 hour / week for 7 weeks (January 28 to March 15) and includes a film screening
Location: Melville Library W0518

This course will examine a variety of environmental problems and issues that we face today through popular film and video, and short literary texts (poetry and essays). We will learn about climate change and global warming; toxics, radiation and human health; food, agriculture, and animal rights; waste, garbage, and over-consumption; and environmental justice rights. Weather & time permitting, we’ll get outside to visit our campus organic garden and/or, if we’re lucky, hike and picnic at Avalon in Stony Brook village. Students will be encouraged to take advantage of our on-campus earth day celebration: Earthstock.

Instructor: Heidi Hutner, Sustainability Studies and English

Heidi Hutner teaches and writes about environmental literature and film, environmental justice, ecofeminism, ecocriticism, and media. Her courses are interdisciplinary and, in addition to traditional academic study, often include hands-on experiential work such as hiking, environmental activism, gardening, and creative writing. Dr. Hutner’s journey into environmentalism and sustainability began through the study of the links between toxic pollution and disease in the writing of Rachel Carson and Sandra Steingraber. This lead to her teaching courses and writing about toxics and cancer in literature and film. More recently, Hutner's work expanded to include a larger range of environmental issues as they are represented in literature, film and other media, such as global warming and climate change, radioactive nuclear pollution, food/agricultural and animal rights, and general sustainability/energy issues. Hutner writes regularly for magazines and academic publications on environmentalism, and her book, Polluting Mama: An Ecofeminist and Cultural Memoir (Demeter Press), is forthcoming in 2013.
GLS 102.21: Environmental Film and Literature
Meeting Pattern: W 11:00AM - 11:53AM
Note: this class meets 1 hour / week for 7 weeks (January 28 to March 15) and includes a film screening
Location: Melville Library W0518

This course will examine a variety of environmental problems and issues that we face today through popular film and video, and short literary texts (poetry and essays). We will learn about climate change and global warming; toxics, radiation and human health; food, agriculture, and animal rights; waste, garbage, and over-consumption; and environmental justice rights. Weather & time permitting, we'll get outside to visit our campus organic garden and/or, if we're lucky, hike and picnic at Avalon in Stony Brook village. Students will be encouraged to take advantage of our on-campus earth day celebration: Earthstock.

Instructor: Heidi Hutner, Sustainability Studies and English

Heidi Hutner teaches and writes about environmental literature and film, environmental justice, ecofeminism, ecocriticism, and media. Her courses are interdisciplinary and, in addition to traditional academic study, often include hands-on experiential work such as hiking, environmental activism, gardening, and creative writing. Dr. Hutner's journey into environmentalism and sustainability began through the study of the links between toxic pollution and disease in the writing of Rachel Carson and Sandra Steingraber. This lead to her teaching courses and writing about toxics and cancer in literature and film. More recently, Hutner's work expanded to include a larger range of environmental issues as they are represented in literature, film and other media, such as global warming and climate change, radioactive nuclear pollution, food/agricultural and animal rights, and general sustainability/energy issues. Hutner writes regularly for magazines and academic publications on environmentalism, and her book, Polluting Mama: An Ecofeminist and Cultural Memoir (Demeter Press), is forthcoming in 2013.

GLS 102.22: Contemporary Spain
Meeting Pattern: W 2:30PM - 3:23PM
Location: GLS Center 109

The purpose of this seminar is to identify and explore the issues involved in learning about another culture. We will seek to determine what we need to know in order to be able to say we have begun to understand the principal characteristics of life in Spain today. We will use the internet as our primary source of information and orientation, and we will place heavy emphasis on student participation and contribution to class discussions.

Instructor: James McKenna, Hispanic Languages

James McKenna is an Associate Professor Emeritus whose teaching and research have focused on modern Spanish culture, with particular emphasis on the Spanish Civil War.

GLS 102.23: Contemporary Spain
Meeting Pattern: W 3:30PM- 4:23PM
Location: GLS Center 109

The purpose of this seminar is to identify and explore the issues involved in learning about another culture. We will seek to determine what we need to know in order to be able to say we have begun to understand the principal characteristics of life in Spain today. We will use the internet as our primary source of information and orientation, and we will place heavy emphasis on student participation and contribution to class discussions.

Instructor: James McKenna, Hispanic Languages

James McKenna is an Associate Professor Emeritus whose teaching and research have focused on modern Spanish culture, with particular emphasis on the Spanish Civil War.
GLS 102.24: National Security and Intelligence Issues for Future Presidents
Meeting Pattern: M 9:00AM- 10:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Melville Library N3090

Students teams will use short case studies (no lectures in this course) to explore and discuss unresolved national security issues such as proposals for reductions in nuclear weapons, nuclear weapon proliferation in the Middle East and Asia, the potential acquisition by terrorists of weapons of mass destruction, and issues associated with national security and intelligence organizations in democratic societies. Each student will make at least one short oral presentation during the course based on readings selected from the New York Times, Wall Street Journal, Washington Post, New York Review of Books, and web sites representing diverse policy positions. Students will also learn how to prepare to take the free Foreign Service Examination offered by the U.S. State Department to persons interested in diplomatic and related careers in government service.

Instructor: Lester Paldy, Technology and Society

Professor Paldy is Distinguished Service Professor Emeritus in the Department of Technology and Society. He has studied Nuclear arms control and science policy. His research interests are international and varied but he has special interest in international security, nonproliferation, infrastructure protection, and arms control.

GLS 102.25: Human Rights and Human Wrongs
Meeting Pattern: TU 2:30PM -3:50PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: GLS Center 109

We will survey the history and meanings of the idea that all human beings enjoy inalienable rights. We will then discuss contemporary case-studies in which this idea is applied, mis-applied, or mis-used to deprive people of their inalienable rights.

Instructor: Allegra deLaurentiis, Philosophy

Allegra de Laurentiis has studied philosophy in Italy and Germany before moving to the U.S. She specializes in nineteenth century European philosophy (especially Hegel and Marx) and in ancient Greek philosophy (especially Aristotle). In her undergraduate classes, she teaches a much wider range of topics from the history of Western philosophy, and is particularly interested in the history of political thought.

GLS 102.26: Punishment and the Body in the Colonial Society
Meeting Pattern: TU 11:30AM- 12:23PM
Location: Melville Library S1410

Although focusing on "the physical body", this course is about more than just flesh and bones. Along with studying various types of punishment like "dancing on the treadmill", this course will also investigate how ideas about different bodies--male and female bodies; White and non-White bodies--influenced how individuals were punished in various colonial societies. In this course, not only will we read historical works about punishment, we will also look at images and films to show how punishment was captured visually.

Instructor: Dawn Harris, Africana Studies

Dr. Dawn Harris is an Assistant Professor in the Africana Studies Department. She received her Ph.D. in History from York University in 2009. Her research interests include the history of punishment in the British Caribbean during the 19th century and those relating to issues of women and gender during the colonial period.
HDV 102.1: Script Development and Play Reading Workshop
Meeting Pattern: W 9:00AM- 10:50AM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to March 15)
Location: HDV Center 121

What is important to you and how can you express those ideas in dramatic form? Students will learn that there are many different dramatic forms through which ideas may be expressed. In this seminar we will pay special attention to the 10-Minute play format, which has become a staple of many regional theatre and playwriting organizations around the country. All students who participate in this workshop will share their ideas through writing plays.

The workshop sessions will allow students the freedom to share their writing with the class, and receive feedback from the class and the instructor. Nothing is off limits. The class will avoid shallow, thumbs up/thumbs down criticism, and learn to explore their peer’s work from an approach of dramaturgical inquiry. What is the playwright trying to achieve? How, specifically, does the writing succeed, fail, confuse, inspire? Students will be encouraged to think about one or two ideas that they would like to explore deeply, and in the course of the semester develop a stage play that is unique, inherently theatrical, deliberate and satisfies the playwrights’ original impulse to write.

Instructor: Steve Marsh, Theatre Arts

Steve Marsh is an actor, literary manager and dramaturg. He is the director of graduate studies in SBU’s department of Theatre Arts where he teaches play analysis, acting and dramaturgy. As an associate of the School of Journalism’ Center for Communicating Science, he teaches a nationally acclaimed workshop in Improvisation for scientists. Steve has been literary manager for the John Gassner New Play Competition at SBU, a national playwriting competition now in its 9th year.

HDV 102.2: Physiology of a College Student
Meeting Pattern: M 3:30PM- 4:23PM
Location: HDV Center 109

What does current research tell us about the physiology of a college student? How much sleep is healthy? Does exercise affect academic performance? Does diet impact memory? Does stress improve learning? What study methods improve memory retention? You’ve probably received mixed advice regarding these topics from parents, professors, advisors, and friends. In this seminar series we will discuss the scientific literature and explore our current understanding of the complex physiological mechanisms related to sleep, exercise, diet, stress, alcohol, learning, and memory. By the end of the semester you will be able to improve academic performance by changing your personal habits based on scientific evidence.

Instructor: Marvin O'Neal, Undergraduate Biology

Dr. Marvin O'Neal is the current Course Director for all of the introductory biology laboratories. His Ph.D. is in physiology and biophysics, and he has taught a broad range of classes at Stony Brook including medical physiology, graduate physiology and neuroscience, as well as undergraduate physiology, pharmacology and biology. His research interests include central control of breathing and most recently biology education.
HDV 102.3: The Curse of Impunity: East Timor and the History of Unpunished Crimes against Humanity
Meeting Pattern: TU 10:00AM - 11:20AM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: Melville Library N3090

East Timor (Timor Leste) is the poster child for crimes against humanity that have remained unpunished. This course takes a look at the genocidal brutality of the occupation of Timor Leste by the Indonesian military between 1975 and 1999, their ongoing human rights violations in West Papua, and the failure of the international community to hold them accountable. We will then consider other mass atrocities and the culture of impunity worldwide, and debate the role of the UN, humanitarian intervention and the International Criminal Court as opposed to sovereign immunity and Great Power realpolitik.

**Instructor: Jakob Schmidt, Biochemistry and Cell Biology**

Jakob Schmidt received his education and training at the University of Munich, the University of California Riverside, and the California Institute of Technology in Pasadena. He has pursued a career in biochemistry and neurobiology at SUSB. He has taught Freshman Seminars on science and public policy and on Third World development with emphasis on East Timor.

HDV 102.4: Green Guerillas
Meeting Pattern: W 4:00PM- 4:53PM
Location: Physics 122

By the middle of the current century more than 90% of the Earth’s human population is expected to Live in cities. Green Guerillas will expose students to a range of issues addressed by urban environmental activists including clean graffiti, green graffiti, recycled graffiti, reverse graffiti, seed bombing and guerilla gardening. Each student will engage in at least two hands on projects from the above topics, present their work during Earthstock festivities and produce an animated short "film" that describes their work.

**Instructor: Marc Fasanella, Sustainability Studies**

Marc Fasanella is a Visiting Professor of Environmental Art, Architecture and Design in the Sustainability Studies Program at Stony Brook University, his current work focuses on urban environmental initiatives and the advent of an ecological aesthetic. Dr. Fasanella holds a PhD in Art & Art Education from New York University. His dissertation, The Environmental Design of Jones Beach State Park, delved into the aesthetics, ecology and politics of the park’s initial construction. His MA in Post Secondary Technology and Industrial Education from NYU focused on teaching students to use industrial skill for socially responsible design with concentrated study of passive solar architecture and problem solving theory. Son of the self-taught social realist painter Ralph Fasanella, Dr. Fasanella has curated widely reviewed Fine Art, Craft and Design exhibits throughout the greater Metropolitan area. His most recent curatorial efforts feature environmental installations made in collaboration with students, colleagues and working artists. Dr. Fasanella divides his time between Manhattan and the East End of Long Island with partner Sherry Dobbin (Director of Public Art for the Times Square Alliance) and his two children Mia and Michael.
HDV 102.5: Contemporary Health Issues  
Meeting Pattern: M 2:30PM - 3:50PM  
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)  
Location: HDV Center 121  

This course will focus on many of the contemporary health issues that affect our youth. Some topics include issues that pertain to Human Sexuality, (HIV and AIDS, Teenage Pregnancy, Gender Identity and Variance), the various Eating Disorders in our society, the various types of addictions, the prevention, consequences and legal implications of Bullying and Cyber-Bullying, Nutrition and Fitness, Mental Health Disorders (Anxiety and Depression), Stress Management, and effective forms of communication. This course will positively impact student achievement through the discussion and implementation of healthy lifestyle practices.  

Instructor: Kysten Ellison, Health Policy and Management  

Kysten Ellison has been a health educator for over ten years and has been an instructor for LILIE since the inception of the company. She obtained a BS in Community Health and Human Services, a certificate in counseling specializing in both nutrition and drug/alcohol addiction, and a MS in Special Education. Ms. Ellison is a certified health educator K-12. She currently teaches health on the middle school level in the Middle Country School District and facilitates many health related courses on the graduate level. Ms. Ellison is also a member of LIGALY and is an advocate and trainer for educators on the prevention of violence and sexual bullying in youth.

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HDV 102.6: The World According to Google  
Meeting Pattern: TU 10:00AM - 11:20AM  
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)  
Location: HDV Center 121  

How the Digital Age is Changing Us  

Instructor: Steven Reiner, School of Journalism  

Steven Reiner is an Associate Professor of Journalism, a former producer for CBS News’ 60 Minutes, and a former Executive Producer at National Public Radio.

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HDV 102.7: Medicine and the Media  
Meeting Pattern: TH 1:00PM - 2:50PM  
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)  
Location: SBS N405  

Two very powerful social institutions, Medicine and the Media have grown in prominence both apart, as well as alongside, one another in the US particularly as of late. Just think of the numerous television series and special feature films dedicated to physicians, addiction disorders, forensic pathology and even the numerous doctor-directed self-help shows set in an “almost” clinical talk show format. No matter whether in television, newsprint, documentaries, feature films or radio programs, it is clear the language of all that is medical is pervasive and persuasive both on a pure informational level as well as for our own entertainment. This seminar will create, a dialogue about the development of these institutions as mingled, as well as the consequences to the culture so clearly shaped with and by them.  

Instructor: Catherine Marrone, Sociology  

Catherine Marrone is the Director of Undergraduate Studies and earned her PhD in Sociology at SUNY Stony Brook in 1995. She was awarded a Post Doctoral Fellowship: (NIMH) 1995-1997 at Yale School of Medicine, Department of Epidemiology and Public Health.
HDV 102.8: When Opportunity Knocks..
Meeting Pattern: F 11:00AM - 11:53AM
Location: HDV Center 121

This course is designed to introduce students to unchartered waters. Opportunities are all around us and serve as great educational experiences. Begin building your resume by getting out of your “comfort zone” and “seize the moment”! Students will have the ability to explore themselves and find opportunities on and off campus.

**Instructor: Kathryn Koshansky, Athletic Training**

Kathy Koshansky has been with the University since 1983. For 28 years she had served as Head Athletic Trainer then Assistant Director of Athletics for Sports Medicine while also the Athletic Training Program Director. She is a graduate of Cortland State University with a bachelor’s degree in Physical Education/Athletic Training and received her master’s degree in Physical Education/Exercise Physiology from the University of Illinois Urbana-Champaign. The Commission on Accreditation of Athletic Training Education (CAATE) accredited Athletic Training Program offered through SHTM in the Stony Brook University Health Science Center was developed by Koshansky. She is a tenured Associate Professor and current chair of the Athletic Training Program through the School of Health Technology and Management. In addition, she has received the prestigious President’s and Chancellor’s Awards for Excellence in Teaching in 1989.

HDV 102.9: The Great Debate: Current Issues in Public Health
Meeting Pattern: TU 4:00PM- 4:53PM
Location: HDV Center 121

This course will introduce students to the concept of public health and will explore current controversial issues in public health. Topics are determined each semester by student interest; issues such as mandatory vaccinations, mandatory testing for HIV/AIDS and STDs, laws that permit the quarantining of ill people, banning junk food and soda in schools, and mandating smoke free campuses are a few of the possible topics discussed during the course. Students will actively participate in large and small group discussions, gather credible evidence that supports a strong position on a topic, develop persuasive arguments based on individual exploration, and engage in structured debates. This course will assist students in developing information literacy, public speaking, and interpersonal communication skills.

**Instructor: Deborah Zelizer, Health Sciences**

Debbie Zelizer is program director of the Health Science major in the School of Health Technology and Management at Stony Brook University. She is also an alumna of the School of Social Welfare where she received a master's degree in social work. Prior to joining the Health Science major, Professor Zelizer was involved in the field of HIV/AIDS for fifteen years. She provided extensive education and training to health and human service providers on Long Island regarding the behavioral and social aspects of health. Professor Zelizer has presented nationally and internationally on topics such as allied health education, HIV/AIDS testing, and addictions treatment. In 2006, she was funded by the Robert Wood Johnson Foundation to disseminate educational strategies nationally to alleviate allied health workforce shortages. In 2008, she became faculty director of the Living Learning Center minor in Health and Wellness. The interdisciplinary minor is designed to give students a foundation in the concepts of healthy living and helps students select future studies or careers in the health professions.
HDV Course Offerings

HDV 102.10: The Search for Happiness
Meeting Pattern: TH 1:00PM - 1:53PM
Location: SBS S236

This course will explore the potential we have as human beings to attain genuine, deep-rooted "happiness" as opposed to the temporary and ever changing pleasures we incorrectly believe bring happiness. "Every man wants to be happy, but in order to be so he needs first to understand what happiness is," Jean-Jacques Rousseau. "Seeking happiness outside ourselves is like waiting for sunshine in a cave facing north." Tibetan saying.
Readings will be primarily from the book, "Happiness," by Matthieu Ricard. The book has been summarized "... as a brilliant synthesis of 25 centuries of the wisdom of Buddhism with the neuroscience and cognitive psychology of the 21st century. Other brief readings centered around the concept of happiness will also be discussed in class.

Instructor: Terry Earley, Professional Education Program

Terry Earley is the Assessment Coordinator for the Professional Education Program and also teaches in the Social Studies Teacher Education Program. Dr. Earley spent 31 years as a public school teacher, advisor, coach, Dean of Students, Assistant Principal and Principal. He has taught various graduate level courses in Educational Leadership and undergraduate courses as well. His teaching experience reaches from 7th graders through students who have obtained their master's degrees.

HDV 102.11: Toxins in our Environment
Meeting Pattern: F 1:00PM -2:50PM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to March 15)
Location: Melville Library N2063

Stanford University just released a study indicating that pesticides in foods occur in levels so low we can ignore them. The American Academy of Pediatrics just released a report suggesting that parents should buy organic foods so that kids aren't exposed to pesticide residues. Who's right? We'll collaborate each week to critique and debate scientific claims.

Instructor: Sharon Pochron, Sustainability Studies

Dr. Sharon Pochron is a primatologist, biologist, anthropologist, statistician, and writer, depending on the need. She received her Bachelors from Franklin and Marshall College in both anthropology and biology. She received her Masters from the University of New Mexico in anthropology and biology. She received her Doctorate from University of New Mexico in anthropology. She has an uncanny affection for the magic of statistics and its application to the behavior of living things. Dr. Pochron worked as a primate behavioral ecologist under Dr. Patricia Wright at Stony Brook University, publishing more than 20 peer-reviewed papers about lemurs, tarsiers and baboons. During that time, she helped 11 students, both graduate and undergraduate, publish papers, too. She worked as a biostatistician for Dr. Jeff Levinton at Stony Brook, helping him publish papers about heavy metal concentrations in local sea life. Dr. Pochron writes for Highlights and Science News for Kids.
HDV 102.12: Understanding Television News
Meeting Pattern: TH 10:00AM - 11:20AM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: HDV Center 121

This course will examine the different forms of television news programming (local, national, cable) with the goal of identifying the strengths and weaknesses of medium. News stories of the day will be analyzed for accuracy, fairness, truth, worth, sensationalism, bias and effect. Discussions will include the editorial decisions that dictate what is seen on the air as well as practical and business decisions that impact today’s television news industry.

Instructor: Rick Ricioppo, School of Journalism

Rick Ricioppo spent 16 years working in the television industry, shooting and editing news, sports and public affairs programming. He currently teaches broadcast journalism classes in the School of Journalism.

HDV 102.13: Understanding Television News
Meeting Pattern: TU 11:30AM - 12:50PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: HDV Center 121

This course will examine the different forms of television news programming (local, national, cable) with the goal of identifying the strengths and weaknesses of medium. News stories of the day will be analyzed for accuracy, fairness, truth, worth, sensationalism, bias and effect. Discussions will include the editorial decisions that dictate what is seen on the air as well as practical and business decisions that impact today’s television news industry.

Instructor: Rick Ricioppo, Journalism

Rick Ricioppo spent 16 years working in the television industry, shooting and editing news, sports and public affairs programming. He currently teaches broadcast journalism classes in the School of Journalism.

HDV 102.14: Contemporary Health Issues
Meeting Pattern: W 4:00PM - 5:20PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: HDV Center 121

This course will focus on many of the contemporary health issues that affect our youth. Some topics include issues that pertain to Human Sexuality, (HIV and AIDS, Teenage Pregnancy, Gender Identity and Variance), the various Eating Disorders in our society, the various types of addictions, the prevention, consequences and legal implications of Bullying and Cyber-Bullying, Nutrition and Fitness, Mental Health Disorders (Anxiety and Depression), Stress Management, and effective forms of communication. This course will positively impact student achievement through the discussion and implementation of healthy lifestyle practices.

Instructor: Kysten Ellison, Health Policy and Management

Kysten Ellison has been a health educator for over ten years and has been an instructor for LILIE since the inception of the company. She obtained a BS in Community Health and Human Services, a certificate in counseling specializing in both nutrition and drug/alcohol addiction, and a MS in Special Education. Ms. Ellison is a certified health educator K-12. She currently teaches health on the middle school level in the Middle Country School District and facilitates many health related courses on the graduate level. Ms. Ellison is also a member of LIGALY and is an advocate and trainer for educators on the prevention of violence and sexual bullying in youth.
HDV 102.15: Contemporary Health Issues  
Meeting Pattern: W 5:30PM - 6:50PM  
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)  
Location: HDV Center 121  
This course will focus on many of the contemporary health issues that affect our youth. Some topics include issues that pertain to Human Sexuality, (HIV and AIDS, Teenage Pregnancy, Gender Identity and Variance), the various Eating Disorders in our society, the various types of addictions, the prevention, consequences and legal implications of Bullying and Cyber-Bullying, Nutrition and Fitness, Mental Health Disorders (Anxiety and Depression), Stress Management, and effective forms of communication. This course will positively impact student achievement through the discussion and implementation of healthy lifestyle practices.  
Instructor: Kysten Ellison, Health Policy and Management  
Kysten Ellison has been a health educator for over ten years and has been an instructor for LILIE since the inception of the company. She obtained a BS in Community Health and Human Services, a certificate in counseling specializing in both nutrition and drug/alcohol addiction, and a MS in Special Education. Ms. Ellison is a certified health educator K-12. She currently teaches health on the middle school level in the Middle Country School District and facilitates many health related courses on the graduate level. Ms. Ellison is also a member of LIGALY and is an advocate and trainer for educators on the prevention of violence and sexual bullying in youth.

HDV 102.16: Major Medical Questions in Film  
Meeting Pattern: M 1:00PM- 2:20PM  
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)  
Location: Health Science Center 2-085  
This seminar will look at how movies have tackled some of the most difficult medical ethics questions that society faces: questions such as end-of-life decisions, the use of genetic information, the social circumstances of people facing disease or disability, and the testing of drugs. As film is a representation of life events and challenges, we will discuss the difficult circumstances that the films depict, how society has dealt with similar issues, and what collective responsibility we have to improve the suffering that people face. Students will be asked to watch assigned films outside of class, and then be prepared to discuss and write about these films in our seminar sessions.  
Instructor: Brooke Ellison, Health Policy and Management  
Dr. Brooke Ellison is an Assistant Professor in the School of Health, Technology, and Management, as well as, Director of Education and Ethics at the Stony Brook Stem Cell Facility. Paralyzed from the neck down in a car accident when she was 11, she graduated from Harvard with a degree in cognitive neuroscience in 2000, delivering a commencement address at graduation. She continues to advocate for stem cell research, founding the Brooke Ellison Project. Her life story was made into an A&E movie starring Christopher Reeve, and she was awarded an Honorary Doctorate in Humane Letters from Rutgers University in 2011.
HDV 102.17: Dental Health and Your Body
Meeting Pattern: TH 10:00AM - 11:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Rockland Hall 111
This seminar will first explore the varied careers in the field of dentistry. We will then investigate how one's dental health is influenced by social habits, preventive measures, and diet. We will explore how certain dental conditions may influence one's general health and even play a key role in predicting the risk of acquiring other illnesses. The focus will be on prevention and how improving one's dental health can improve one's overall health, and as a result can reduce medical expenditures.

Instructors: Bonnie Lipow, John Foti, and Nancy Amoia, General Dentistry

Dr. Bonnie Lipow is a Clinical Assistant Professor and Co-Director of the Clinic I program in the Department of General Dentistry. She received her B.A. from CUNY-Queens College and her D.D.S. from the School of Dentistry at the Medical College of Virginia at Virginia Commonwealth University.

Dr. John J. Foti, Jr., is a Clinical Assistant Professor in the Department of General Dentistry. Dr. Foti is also Director of the Stony Brook School of Dental Medicine - South Dakota Public Health Services Community Dental Outreach Program. He achieved a B.A. in Biology and Minor in Anthropology from CUNY-Queens College. Dr. Foti received his D.D.S. degree from SUNY-Stony Brook's School of Dental Medicine. He also maintains general dentistry practices in Sayville and Selden, NY.

Dr. Nancy Amoia is a Clinical Assistant Professor in the Department of General Dentistry. She received her D.D.S. from the College of Dentistry at New York University.

HDV 102.18: Theme Parks in the 21st Century
Meeting Pattern: W 2:30PM - 3:23PM
Location: Melville Library N3090
We will explore the social, cultural, economic, and historical dimensions of theme parks (Disney, Six Flags, among others) from a global perspective. Through readings, discussion, films, and short research projects, we will increase our understanding of theme parks at the beginning of the 21st century.

Instructor: David Maynard, University Scholars
Dave Maynard has taught and advised first year and high achieving students at Stony Brook since 2001. He earned his doctorate in Anthropology from CUNY in 1992. His teaching and research interests include globalization, social movements, and the mediascape. Dr. Maynard received a "Faculty Mentor of the Year Award" in 2010 from the Compact for Faculty Diversity Institute on Teaching and Mentoring. Dr. Maynard served as the Faculty Director of the University Scholars Program from Fall 2008 to Spring 2011, and he is delighted to continue his work with University Scholars students.
HDV 102.19: Inside the Leader’s Studio
Meeting Pattern: TU 1:00PM-2:20PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: HDV Center 121

Many excellent theories of leadership exist and are put to the test in various business, non-profit, educational and other organizational settings. Each type of work requires and calls upon different models of leadership in different instances and at different times. Too seldom, however, are we able to hear from these many kinds of leaders themselves in talking about various leadership challenges and the skills and philosophies they draw on to move their organizations forward. This course will explore different theories of leadership and be modeled closely after the infamous “Inside the Actors” Studio. The course will be conducted as a public and cooperative interview of leaders and different levels and in different sectors to hear from them how they have developed as leaders, the skills & experiences from which they draw, their leadership influences and their challenges as leaders. Students will be active participants in the “production,” including the preparation, interview and facilitation of processing sessions of each leader we hear from. Readings and discussion on leadership theories will serve as the foundation for the “productions.”

Instructor: Jeff Barnett, Student Affairs

Jeff Barnett is a long time member and proud alum of the Stony Brook community. After having completed his B.S. in psychology from Stony Brook University, Jeff went on to hold several positions at the university in Student Affairs, Enrollment & Retention Management and the Undergraduate Colleges. Jeff earned his graduate degree in Higher & Post-Secondary Education from Teachers College, Columbia University. His professional background reaches across both Student & Academic Affairs and includes experience with academic and organization advising, orientation, first year student issues, large scale programming, student learning outcomes assessment, learning communities programs, student success initiatives, building a sense of campus community. Jeff is committed to students and to building collaborative partnerships between student and academic affairs. He has published and presented at national & regional conferences on a variety of these topics and has received departmental Distinguished Service Awards in the areas of Student Development and Systems Innovations, Research & Assessment for his work.

HDV 102.20: Studying the Subcultures of SBU
Meeting Pattern: F 12:00PM-1:50PM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: SBS N405

Each week, students will gain knowledge of SBU’s student body by observing ethnicity/race in a specific location (e.g., the SAC cafeteria). Each student will submit a short paper describing what she/he observed. The students’ observation will be the basis of class discussion.

Instructor: Linda Wicks, Sociology

As member of SB’s Sociology Department, Professor Linda Wicks has been teaching undergraduates since 1998. She holds a Ph.D. from the Anthropology Department here at Stony Brook, and has conducted research in numerous places, including Long Island, the Philippines and New Guinea. Her 102 seminar will focus on her long standing curiosity about subcultures at SBU, an interest which stems from her undergraduate years at the University of Hawaii where diversity was common place long before it emerged on our campus.
HDV 102.21: Ethics and College Student Life
Meeting Pattern: W 4:00PM - 5:20PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: Melville Library S1410

This course will use case studies of ethical dilemmas commonly faced by college students to challenge students to use critical thinking and problem-solving skills to recognize ethical issues, build understanding and work toward the resolution of ethical problems. An examination of common ethical problems will provide a framework within which students can develop their own code of ethics.

Instructor: Deborah Firestone, Health Science
Deborah Firestone is the Faculty Director of the College of Human Development (HDV). She views her position as an opportunity to involve students in a variety of learning experiences devoted to exploring the physical, social and cultural aspects of 'What It Means to be Human'. It is her hope that the range of experiences provided to students in the College of Human Development will provide a window through which each student can look at the different components that comprise humanity and begin to develop their own personal vision of 'What It Means to be Human'. She has over twenty-five years of academic experience in the School of Health Technology and Management where she has served in teaching and administrative capacities.

HDV 102.22: Photography for the Masses
Meeting Pattern: TU 5:30PM - 7:20PM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: GLS Center 109

Learn how to use photography to communicate beyond just the still image. Whether it’s a cell phone or an SLR camera, it’s the message that matters. This class will be a combination of practical shooting exercises and lectures on issues in contemporary photography.

Instructor: Wasim Ahmad, School of Journalism
Wasim Ahmad is an assistant professor in the School of Journalism at Stony Brook University. He teaches courses in online journalism, and previously, he worked for newspapers in Binghamton; Naples, Florida; and St. Cloud, Minnesota.

HDV 102.24: Parliamentary Debating
Meeting Pattern: W 5:30PM-7:20PM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Endeavor Hall 158

Students will learn the elements and skills of parliamentary debating by being organized into debating teams which will compete each week, arguing the pros and cons of current controversial topics. This is a great way to learn the skills of public speaking, preparing arguments, teamwork, weathering criticism and being a gracious winner or loser. Good training for those interested in becoming a lawyer, judge, public official, teacher or any profession where one has to face the public.

Instructor: Malcolm Bowman, School of Marine and Atmospheric Sciences
Dr. Malcolm Bowman’s research interests focus on the oceanography of coastal seas and estuaries. He is the leader of the Stony Brook Storm Surge Group which investigates the characteristics and science of storm surges with an emphasis on the threats these surges represent to New York, northern New Jersey and Long Island.
HDV Course Offerings

HDV 102.25: The Human Connection
Meeting Pattern: M 5:30PM-7:20PM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to March 15)
Location: Health Science Center 229

Exploring the web of human relationships can prepare you to develop needed skill sets to meet the challenges of an increasingly complex yet smaller world community. Discovering the dynamics of interpersonal interaction and connectedness, through concepts related to communication and conflict resolution, will inform future personal growth and transformation.

Instructor: Kathleen Bratby, School of Nursing

Dr. Kathleen Bratby is a faculty member and former Assistant Dean for Students in the Stony Brook University School of Nursing. She has a background in leadership and management, including positions in hospital administration as the chief nurse executive, and teaching experience at the various levels of nursing education. She is a graduate of the University of Pittsburgh and the University of Pennsylvania Schools of Nursing, and holds a Doctor of Education degree in Leadership and Educational Administration from Dowling College. Dr. Bratby is also a volunteer with and current President of the Feingold Association of the United States, a non-profit organization generating public awareness about the role of food and synthetic additives in behavior, learning, and health.
ITS 102.1: Computers Playing Jeopardy  
Meeting Pattern: M 2:30PM - 4:20PM  
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)  
Location: Computer Science 2116

This class is about the IBM Watson project (natural language processing). IBM Watson is a computer system capable of answering rich natural language questions and estimating its confidence in those answers at a level of the best humans at the task. On Feb 14-16, 2011, in an televised event, Watson triumphed over the best human players of all time on the American quiz show, Jeopardy!. In this course we will discuss the main principles of natural language processing, computer representation of knowledge and discuss how Watson solved some of its answers (right and wrong).

Instructor: Paul Fodor, Computer Science

Dr. Paul Fodor is a Research Assistant Professor in the Computer Science Department at Stony Brook University (SUNY of New York). He received a B.S. degree in computer science from the Technical University of Cluj-Napoca in 2002, M.S. and Ph.D. degrees in computer Science from the Stony Brook University in 2006 and 2011, respectively. His work on declarative rule languages and logic used as a specification language and implementation framework for knowledge bases was applied in areas ranging from natural language processing to complex event processing and semantic Web. Through his research, Dr. Fodor has contributed to several large software projects: IBM Watson, OpenRuleBench suite of benchmarks for analyzing the performance and scalability of rule systems for the semantic Web, ETALIS declarative complex event processing, and SILK Semantic Inferencing.

ITS 102.2: 3D Modeling for Games  
Meeting Pattern: W 11:00AM - 11:53AM  
Location: Computer Science 2114

This course will examine the tools and techniques used for creating animated, textured, 3D models via modeling software. Students in this course will do hands-on exercises using modeling tools and will create their own animated characters using Blender3D.

Instructor: Richard McKenna, Computer Science

Richard McKenna is the creator and coordinator for the Computer Science department's Game Programming Specialization. Richard teaches CSE 380, Computer Game Programming, and CSE 381, Advanced Game Programming, and advises student research projects in game development.

ITS 102.3: 3D Modeling for Games  
Meeting Pattern: M 11:00AM - 11:53AM  
Location: Computer Science 2129

This course will examine the tools and techniques used for creating animated, textured, 3D models via modeling software. Students in this course will do hands-on exercises using modeling tools and will create their own animated characters using Blender3D.

Instructor: Richard McKenna, Computer Science

Richard McKenna is the creator and coordinator for the Computer Science department's Game Programming Specialization. Richard teaches CSE 380, Computer Game Programming, and CSE 381, Advanced Game Programming, and advises student research projects in game development.
ITS Course Offerings

**ITS 102.4: Energy and Technology**

Meeting Pattern: F 10:00AM - 10:53AM  
Location: Old Engineering 112

Students will have an opportunity to conduct research and perform analysis on various topics of energy and technology. This will be a guided study in which you will interact with the professor directly to choose the topic, conduct study and literature survey, and put together a professional presentation on the topic of your choice. Issues and case studies include topics in “Energy and Technology” pertaining to: environment, daily life, transportation, power plant, energy production, energy consumption, reserve on earth, carbon sequestration, drinking water, biosystem, biodiversity, … etc. Students are expected to produce a video podcast presentation, as the term project, to document and present their research finding on a chosen topic. Topics can include, but not limited to, the following: Alternative energy; Photovoltaic (PV) or solar energy; biomass; wind power; hydraulic power; nuclear power; carbon sequestration; energy conservation; impact to environment

**Instructor: Imin Kao, Mechanical Engineering**

Dr. Imin Kao is a Professor of the Department of Mechanical Engineering, and Associate Dean of the College of Engineering and Applied Sciences. He is the founding Faculty Director of the Information and Technology Studies Undergraduate College (ITS College). He conducts research in the areas of Microsystems and MEMS, intelligent fault detection and diagnosis, robotics, intelligent contact interface, stiffness control, wafer manufacturing, and wafer slicing using wiresaw.

**ITS 102.5: Social, Legal, and Ethical Issues for Information Technology**

Meeting Pattern: TU 10:00AM - 11:20AM  
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)  
Location: Computer Science 1310

This seminar deals with the impact of computers on us as individuals and on our society. Rapid changes in computing technology and in our use of that technology has changed the way we work, play and interact with other people. These changes have created a flood of new social and legal issues that demand critical examination. For example, technologies such as Gmail, FaceBook, MySpace, along with music sharing sites and Wikis create new social, ethical, and legal issues.

**Instructor: Robert Kelly, Computer Science**

Rob Kelly's research interests include medical informatics, software engineering, Internet programming, and parallel programming. The primary research focus has been on systems to reduce the incidents of medical errors in acute health care facilities. This work includes a system for a high-level interface to medical monitors, an Anesthesiology clinical support system, a rule-based system for discharge planning, and a system to associate monitor data with outcome data to improve prediction of changes to a patient's condition in critical care settings. Rob has published papers on these topics in major journals and conferences. He has been on program committees or chaired invited sessions of a number of international conferences. Rob is also the director of the undergraduate program in Information Systems. He has received two Computer Science Department teaching awards, most recently in 2010. Collaborating with an industry partner, he has developed a software application that received the Long Island Software Award for Internet-based software. He is also the recipient of the State University of New York Promising Inventor Award. Prior to joining Stony Brook University in 1999, he was Vice President of Global Professional Services at Computer Associates, and prior to that he was Director of Research & Development at Northrop Grumman Data Systems. He also serves as Chair of the Board of Directors for the Bethpage Federal Credit Union, a $5B financial institution.
ITS 102.6: Animation with Alice  
Meeting Pattern: TH 1:00PM - 1:53PM  
Location: Life Science 022  

Come explore the world of Alice, a user-friendly tool for 3D animation. Students will create their own movies and games as they learn the fundamentals of computer programming in a fun environment where imagination is the only limit. No prior programming experience is expected or required.  

Instructor: Michael Tashbook, Computer Science  
Michael Tashbook is a lecturer in the Department of Computer Science. His interests include computer science education and forensic software engineering (analyzing the root causes of software failures).

ITS 102.7: Garbage in Your World  
Meeting Pattern: TH 2:30PM - 3:23PM  
Location: Melville Library S1410  

We will look at the kind of garbage we make, in particular here on campus. Many people draw conclusions about the very nature of our society from our garbage, and we will look at some of those points of view. The class will explore some of the ways we currently manage our wastes, and examine some alternatives that may lead to entirely different approaches to materials use. The potential for such changes to lead to a more "sustainable" way of life will be discussed.  

Instructor: David Tonjes, Technology and Society  
Dr. David Tonjes conducts research on environmental management. His primary areas of research are solid waste processes and management, and estuarine and coastal management. Solid waste research topics have included waste generation and management methodologies, including assessments of local programs and helping local governments plan and implement effective strategies. Landfill impacts on the environment are another topic of interest, including assessments of leachate quality and treatment methodologies, and tracing impacts to groundwater and surface water systems following releases of leachate to the environment, including creating and maintaining groundwater models of the affected systems.

ITS 102.9: Nanotechnology: Fact and Fiction  
Meeting Pattern: M 2:30PM - 3:50PM  
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: ITS Center A04  

Nanotechnology is the research, design and manufacture of functional materials or devices which rely on the unique properties materials have at a size scale of a few billionths to a few tenths of a millionth of a meter. Nanotechnology has not only begun to open a meter. Nanotechnology has not only begun to open a major plot device for science fiction over the last thirty or so years. We will examine nanotechnology from the point of view of science fiction, and contrast that with the science, technology, risks and promise of nanotech research today.  

Instructor: Gary Halada, Materials Science and Engineering  
Gary Halada is an associate professor in the Department of Materials Science and Engineering. He is the Undergraduate program Director for the Engineering Science (ESG) degree program, as well as coordinator of the Minors in Nanotechnology Studies (NTS) and Environmental Engineering (ENE). A graduate of Stony Brook University, Dr. Halada is a past faculty director for the Undergraduate College of Information and Technology Studies (ITS). His research focuses on designing bioinspired materials for environmental remediation and nanoscale engineering.
ITS 102.10: Artificial Life: Fact and Fiction
Meeting Pattern: W 2:30PM - 3:50PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: ITS Center A04

Emerging technologies in genetics, robotics, artificial intelligence and nanotechnology (the GRAIN technologies), as well as bioengineering and bioinspired engineering, are often looked to as a pathway to the development of "artificial life". Whether this is a realistic outlook or pure imagination (or somewhere in between), science fiction writers have been at the forefront of speculation on both the promises and risks of such a technology. From "Frankenstein" to modern tales of cloning and autonomous robots, we will look at how popular media has considered both the benefits and potential hazards of artificial life, and discuss how this compares to current technology and what this can teach us about ethics in science and engineering.

**Instructor:** Gary Halada, *Materials Science*

Gary Halada is an associate professor in the Department of Materials Science and Engineering. He is the Undergraduate program Director for the Engineering Science (ESG) degree program, as well as coordinator of the Minors in Nanotechnology Studies (NTS) and Environmental Engineering (ENE). A graduate of Stony Brook University, Dr. Halada is a past faculty director for the Undergraduate College of Information and Technology Studies (ITS). His research focuses on designing bioinspired materials for environmental remediation and nanoscale engineering.

ITS 102.11: Brain Tech: Imaging the Human Brain from Science to Science Fiction
Meeting Pattern: F 11:00AM-12:50PM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: ITS Center A04

This section will be an exploration into the use of technology to image the human brain. In this course you will perform hands on analysis of MRI data. We will also explore the current state of brain imaging and discuss the extent to which the representation of brain imaging in the media is closer to science or science fiction. Class discussions will focus on the relevance and impact of recent advances in neuroimaging in addition to identifying areas of future research.

**Instructor:** Joshua Carlson, *Biomedical Engineering*

Josh Carlson is a Research Assistant Professor in Biomedical Engineering. Much of his research is aimed at understanding the neural mechanisms underlying salience detection within subliminal or near subliminal processing conditions. Furthermore, this research examines how differences in brain activity relate to differences in personality.
ITS Course Offerings

**ITS 102.12: Gamification**
Meeting Pattern: TH 10:00AM - 10:53AM
Location: Computer Science 2205

Gamification incorporates game mechanics into non-game contexts, to make them more fun and engaging. This technique is currently being used in a wide range of applications, including commerce, marketing, education, health, and government. Students will learn how gamification works, and how to apply it to their own areas of interest.

**Instructor: Lori Scarlatos, Technology and Society**

Lori Scarlatos is an Associate Professor in the Department of Technology and Society, and is affiliated with the Department of Computer Science. She has a BFA in Fine Art, and an MS and Ph.D. in Computer Science. With the MS, she worked in industry for ten years on applications for cartographic and image analysis (as a senior programmer at Grumman) and animated PC games (as programmer, then vice president). After earning her Ph.D. from Stony Brook University, she taught at Hampshire College and Brooklyn College before returning to Stony Brook as a faculty member. She has done research in computer graphics and computer-human interaction that has been supported by several grants and contracts. She is also committed to broadening participation in computing, and has led outreach programs and summer camps for under-represented students in middle school, high school, and undergraduate college.

**ITS 102.13: Where Do You Need Mathematics**
Meeting Pattern: M 4:00PM- 5:50PM
*Note: this class meets 2 hours / week for 7 weeks (January 28 to May 10)*
Location: ITS Center A04

The course will give freshmen some ideas where in the world mathematics is needed. The seven lectures will talk about the influence of mathematics in the following fields: (1) Mathematics as an art, some famous problems in mathematics; (2) Mathematics in physics; (3) Mathematics in engineering sciences; (4) Mathematics in social sciences, game theory; (5) Mathematics in finance; (6) Mathematics in computer era; (7) Numbers and visualization, recreating and predicting the world.

**Instructor: Xiaolin Li, Applied Mathematics and Statistics**

Xiaolin Li's research involves the design and development of a high resolution numerical method, the front tracking method, for the study of complex partial differential equations arising in a variety of settings, ranging from financial option prices to fluid interface instabilities. His research has involved collaborations with scientists at Los Alamos National Laboratory, Argonne National Laboratory and Brookhaven National Laboratory.
ITS Course Offerings

ITS 102.14: Societal Impact of Nanotechnology
Meeting Pattern: TU 10:00AM - 10:53AM
Location: ITS Center A04

This course will focus on the applications and societal implications of nanotechnology. After a brief introduction to research in nanotechnology (applied science and technology at the molecular level), attention will turn to the myriad of potential applications of nanotechnology. Special consideration will be given to scientific, social, political, economic, behavioral, legal and ethical aspects of the development and applications of nanotechnology.

Instructor: David Ferguson, Technology and Society

Dr. David Ferguson is Distinguished Service Professor and Chair of the Department of Technology and Society in the College of Engineering and Applied Sciences. Dr. Ferguson has held many funded research and special projects. He co-directed the NSF-supported Algorithm Discovery Development project and two NSF-funded Faculty Enhancement workshops on the teaching of introductory computer science courses. Under support from the Sloan Foundation, he developed a course in Applications of Mathematics for liberal arts students. He was a co-PI on a multi-campus project, funded by NSF, on Mathematical Sciences and Their Applications throughout the Curriculum. Currently, he is co-PI on an NSF-funded consortium on Science Education for New Civic Engagements and Responsibilities (SENCER). Also, currently, he is one of four faculty members responsible for a new undergraduate minor in nanotechnology. At the graduate level, Professor Ferguson teaches courses in educational technology and decision making. In 1992, Professor Ferguson received the State University of New York Chancellor's Award for Excellence in Teaching. He is a New York State and national leader in programs to enhance the participation of underrepresented groups in undergraduate and graduate science, technology, engineering and mathematics (STEM) programs.

ITS 102.15: Linking Energy, Environment and Economics
Meeting Pattern: M 2:30PM - 3:50PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: Melville Library S1410

In this course we will talk about an overlap between energy, environment, international politics and economics. This course will cover some of the most fascinating issues of our time, ranging from global warming to sustainable energy.

Instructor: Alexander Orlov, Materials Science and Engineering

Dr. Alexander Orlov is an Assistant Professor of Materials Science and Engineering at State University of New York, Stony Brook, USA. He is also a faculty member of the Consortium for Interdisciplinary Environmental Research and affiliate faculty of Chemistry Department. His major research and teaching activities are in development of novel materials for energy generation, structural applications and environmental protection. These activities also include environmental aspects of energy production; sustainable energy; environmental chemistry and engineering; and environmental nanotechnology areas. Dr. Orlov’s research is supported by the National Science Foundation (NSF), the State of New York, the US Department of Education, the US Department of Transportation, the National Institute of Standards and Technology (NIST) and Industry (totaling $2.5 million as PI or co-PI for the previous 4 years). Before coming to Stony Brook he was a Research Fellow in Science and Engineering at the University of Cambridge (UK), where he was also affiliated with the King’s College. Dr. Orlov has 5 degrees from various European and the US institutions, including: Doctoral and Master’s degrees in Chemistry from the University of Cambridge (UK) and Master’s degree in Engineering from the University of Michigan (US). He also holds Diploma in Economics from the London School of Economics.
ITS 102.16: Robotics and Physical Computing using Arduino
Meeting Pattern: TU 5:30PM - 6:50PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: Heavy Engineering 139

Microsoft founder Bill Gates, in a 2006 Scientific American article, predicted robotics to be the next revolution in our homes and likened robotics today to the state of computer industry 30 years ago. Today, we are at the cusp of a major robotics and physical computing trend made possible by the ubiquity of cheap computers and open source movement in both hardware and software. In this class, we will learn fundamentals of designing and prototyping robots and machines that interact with the environment and execute motions that are either useful or entertaining. This will be enabled using Arduino -- an open source programmable microcontroller and physical computing platform -- that can take input from a range of sensors and actuate outputs. We will also learn about different sensors that can detect light, touch, sound, etc. and how the information gained from them can be processed to effect outputs using motors, lights, and other actuators. The class is at a beginner level and meant not only for science and engineering students, but also for students from arts with an interest in imparting their creations a "moving" element.

Instructor: Anurag Purwar, Mechanical Engineering

Dr. Anurag Purwar is Research Associate Professor and the Mechanical Engineering Coordinator of the SPIR Program. He received his Ph.D in Mechanical Engineering from Stony Brook in 2005, and was immediately hired to Assistant Professor Rank upon his graduation. His research interests are in CAD/CAM, Mechanisms and Robotics, and application of Computational Geometry, Virtual Reality (VR), Computer Graphics and Visualization in Design Engineering.

ITS 102.17: From Microelectronics to Nanoelectronics
Meeting Pattern: W 9:00AM -10:20AM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: Melville Library S1410

Since the early days of microelectronics, there was a drive to build more complex and faster circuits and systems in a chip. According to the well known Moore’s Law, circuit complexity (roughly the number of transistors) and computer performance doubles every 24 months. This has been achieved mainly by scaling down the dimensions of the building blocks (MOS transistors) from several microns to less than 0.05 microns or 50 nm (nanometer) at present. At this scale, new physical effects start to manifest themselves and change the behavior of conventional devices. According to the International Technology Roadmap for Semiconductors (ITRS), scaling down of MOSFETs will encounter major challenges around 2016. Therefore new technologies are being considered. Among these, nanotechnology is emerging as a strong contender. Nanotechnology refers to the processes, materials, and device structures used to build transistors or circuit elements that are smaller than 100 nanometers (nm) in size. This course will give a general overview of microelectronics, describe the challenges faced, and introduce a number of novel nanoscale devices being pursued such as single electron transistors, resonant tunneling devices, carbon nanotube transistors, molecular transistors, and graphene transistors.

Instructor: Ridha Kamoua, Electrical & Computer Engineering

Dr. Ridha Kamoua is the Undergraduate Program Director and an Associate Professor in the Department of Electrical & Computer Engineering. His research interests include development of computer models for high-frequency millimeter- and submillimeter-wave devices, design and modeling of high-performance Gunn oscillators, investigation of novel semiconductor sources for the terahertz region, modeling and design of quantum cascade lasers, and biomedical sensors.
ITS 102.18: Solar Energy for the Beginner
Meeting Pattern: TH 4:00PM- 5:20PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: ITS Center A04

This course will introduce the student to the subject of PV (or photovoltaic) generation of electrical power. The student will learn about how PV cells work, how they are interconnected in series and in parallel to form a PV panel, how the DC power produced by a PV system is converted to AC using an inverter, and how the AC power system thus produced is interfaced to the local utility system using the method of net metering. The basic electrical engineering concepts relevant to the implementation and utilization of a PV system will be explained in simple terms. Simple hands-on demonstrations will be conducted during the class. Besides the advantages, the limitations of the PV technology will be explained.

Instructor: Jayant Parekh, Electrical & Computer Engineering

Dr. Jayant Parekh is a Professor in the Department of Electrical and Computer Engineering. His research interests include microwave acoustics, microwave magnetics, microwave electronics, and microcomputer applications.

ITS 102.19: Solar Energy for the Beginner
Meeting Pattern: TU 4:00PM- 5:20PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: ITS Center A04

This course will introduce the student to the subject of PV (or photovoltaic) generation of electrical power. The student will learn about how PV cells work, how they are interconnected in series and in parallel to form a PV panel, how the DC power produced by a PV system is converted to AC using an inverter, and how the AC power system thus produced is interfaced to the local utility system using the method of net metering. The basic electrical engineering concepts relevant to the implementation and utilization of a PV system will be explained in simple terms. Simple hands-on demonstrations will be conducted during the class. Besides the advantages, the limitations of the PV technology will be explained.

Instructor: Jayant Parekh, Electrical & Computer Engineering

Dr. Jayant Parekh is a Professor in the Department of Electrical and Computer Engineering. His research interests include microwave acoustics, microwave magnetics, microwave electronics, and microcomputer applications.
ITS Course Offerings  

**ITS 102.20: Opportunities in Science and Engineering**  
Meeting Pattern: M 12:00PM - 1:50PM  
*Note: this class meets 2 hours / week for 7 weeks*  
(January 28 to March 15)  
Location: Light Engineering 250  

A survey of the various science and engineering disciplines. Guest speakers describe their respective fields of research and study and the opportunities for students entering the field today. Other topics include ethics, intellectual property and entrepreneurship. The interdisciplinary nature of science and technology is emphasized.  

**Instructor: Monica Bugallo,** *Electrical and Computer Engineering*  
Monica Bugallo is an Associate Professor at the Department of Electrical and Computer Engineering. Her research interests lie in the area of statistical signal processing and its applications to different disciplines including communications and biology.  

**ITS 102.21: The Monte Carlo Method in Science and Engineering**  
Meeting Pattern: M 12:00PM - 1:50PM  
*Note: this class meets 2 hours / week for 7 weeks*  
(January 28 to March 15)  
Location: Melville Library S1410  

In science and engineering we often use models for explaining events of interest. For example, models are used to predict the course of a hurricane, the values of a stock, or disease outbreaks. When we work with models, we exploit them to perform some sort of optimization. Many models that describe phenomena in the real world are quite complex, and optimizations with them cannot be carried out analytically. Instead, in working with them, we use computers. One big class of computer-based methods is known as Monte Carlo methods, where solutions are obtained via generation of random numbers. Applications of the Monte Carlo methods range from signal and information processing to biology to quantum physics. In this course, the students will have a broad introduction to the Monte Carlo method, its history, and its present-day use in a variety of fields.  

**Instructor: Petar Djuric,** *Electrical Engineering*  
Petar M. Djuric received his B.S., M.S., and Ph.D. degrees in electrical engineering. Since 1990 he has been with Stony Brook University, where he is Professor in the Department of Electrical and Computer Engineering. He works in the area of signal and information processing.
ITS 102.22: Energy Choices and Climate Change
Meeting Pattern: W 4:00PM - 4:53PM
Location: Computer Science 2205

Global energy balance as a function of the chemistry of the atmosphere and its effects on global and local climate. Climatic consequences of human energy use. The long history of climate and the relatively short history of human energy use. The socio-economic and political issues involved in attempts to project and influence future energy use and its climatic consequences.

Instructor: Lori Scarlatos, Technology and Society

Lori Scarlatos is an Associate Professor in the Department of Technology and Society, and is affiliated with the Department of Computer Science. She has a BFA in Fine Art, and an MS and Ph.D. in Computer Science. With the MS, she worked in industry for ten years on applications for cartographic and image analysis (as a senior programmer at Grumman) and animated PC games (as programmer, then vice president). After earning her Ph.D. from Stony Brook University, she taught at Hampshire College and Brooklyn College before returning to Stony Brook as a faculty member. She has done research in computer graphics and computer-human interaction that has been supported by several grants and contracts. She is also committed to broadening participation in computing, and has led outreach programs and summer camps for under-represented students in middle school, high school, and undergraduate college.

ITS 102.23: Human versus Machine Intelligence
Meeting Pattern: F 1:00PM - 2:20PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: Melville Library S1410

How Computers and Humans Differ in Thinking and Cognition - Computer Programs that Seem to Perform Human Functions: * Early achievements of computers, such as breaking the German encryption codes in WW II. *Finding what People Like: Use of computers to guess customer preferences; the Netflix challenge * Google and why it works much better on text than on pictures * Games Computers Play: Checkers, Chess, Scrabble, and Jeopardy * How Computers read text and how barcodes work. * Additional topics if time permits.

Instructor: Theo Pavlidis, Computer Science

Dr. Theo Pavlidis is Distinguished Professor Emeritus in the Department of Computer Science. His research interests include image processing, machine vision, and computer graphics.
ITS 102.24: National Security and Intelligence Issues for Future Presidents
Meeting Pattern: M 9:00AM- 10:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Melville Library N3090

Students teams will use short case studies (no lectures in this course) to explore and discuss unresolved national security issues such as proposals for reductions in nuclear weapons, nuclear weapon proliferation in the Middle East and Asia, the potential acquisition by terrorists of weapons of mass destruction, and issues associated with national security and intelligence organizations in democratic societies. Each student will make at least one short oral presentation during the course based on readings selected from the New York Times, Wall Street Journal, Washington Post, New York Review of Books, and web sites representing diverse policy positions. Students will also learn how to prepare to take the free Foreign Service Examination offered by the U.S. State Department to persons interested in diplomatic and related careers in government service.

Instructor: Lester Paldy, Technology and Society

Professor Lester Paldy is Distinguished Service Professor Emeritus in the Department of Technology and Society. He has studied Nuclear arms control and science policy. His research interests are international and varied but he has special interest in international security, nonproliferation, infrastructure protection, and arms control.

ITS 102.25: Carbon Nanostructures: Synthesis, Characterization and Biomedical
Meeting Pattern: F 10:00AM- 11:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: SBS S218

Carbon nanostructures such fullerenes, metallofullerenes and carbon nanotubes are well suited for medical application due to the following reasons: (1) Properly derivatized, they are non-toxic, non-immunogenic and they clear efficiently from mammals; (2) Metabolism studies indicate that properly derivatized they are not likely to degrade under biological conditions and hence may be bioinert; (3) They can be externally derivatized with medically-interesting materials (peptides, drugs, antibiotics, radiopharmaceuticals, antibodies, etc.), as well as, internally loaded with medically-interesting materials (radionuclides, magnetic materials, other small nanostructures, etc.).

This seminar course will discuss the fabrication, unique physical properties, and biocompatibility of carbon nanostructures especially in regard to the unique benefits of this novel class of materials for medical diagnostics, therapeutics and tissue engineering.

Instructor: Balaji Sitharaman, Biomedical Engineering

Dr. Balaji Sitharaman’s laboratory seeks to work at the interface of bionanotechnology, regenerative and molecular medicine and synergize the advancements in each of these distinct fields to develop a dynamic research program that tackles problems related to diagnosis/ treatment of disease and tissue regeneration. Toward these ends, his research interests involve a multidisciplinary approach focused on the following three themes: 1. Multifunctional nanobiosystems for simultaneous diagnostics and therapeutics (theranostics). 2. Multidimensional supramolecular biosystems for imaging, drug delivery and tissue regeneration. 3. Nanobio-interface devices for tissue regeneration. His research work involves material synthesis techniques, physico-chemical characterization techniques, tissue culture and in vivo studies.
LDS 102.1: Social Entrepreneurship  
Meeting Pattern: M 3:30PM- 4:23PM  
Location: Melville Library N3090  

Learn the how to start and lead a social entrepreneurship venture for the benefit of society and as a possible source of livelihood for yourself and others. This course covers leadership characteristics of social heroes and learning from model social entrepreneurship efforts, locally and globally. You will select a cause about which you feel passionate and, as practice for developing your own leadership skills, develop a business plan, set goals, formulate strategies for action (e.g. for advocacy, fund raising, and recruiting and retaining volunteers), design an organizational structure, create a marketing plan, including advertisements, a Web site, and an elevator pitch, and develop an assessment design to evaluate your goal.

Instructor: Manuel London, College of Business

Dr. Manuel London is Dean of the College of Business and Director of the Center for Human Resource Management. He holds a joint appointment in the Department of Psychology. He is also Stony Brook's Faculty Director of the Undergraduate College of Leadership and Service. Dr. London's career spans his professorship at major research universities: in particular, the University of Illinois at Champaign-Urbana from 1974-1977 and Stony Brook University from 1989 to present. For the 12 intervening years, he was a researcher and human resource practitioner at AT&T. Dr. London is a pioneer in the now popular field of multisource (360 degree) feedback. As a practitioner and consultant, Dr. London has worked on program development and publications in the areas of performance management, feedback, manager as coach and developer. He is the co-author of Social Entrepreneurship, published in 2010.

LDS 102.2: Cyber-Communications  
Meeting Pattern: W 3:30PM- 4:23PM  
Location: Chemistry 434  

Considerable work today gets done on-line, often in teams of subject matter experts. This seminar focuses on using technology to for your career development and in accomplishing important tasks, whether you are working independently or collaboratively. In this seminar, you will develop your "brand" to convey key information about your professional self as a student and prospective employee. You will develop Web sites, and e-portfolio, an on-line story board about yourself, and in other creative ways learn how to use work-related communications and social media to your best advantage.

Instructor: Manuel London, College of Business with Nancy Wozniak, Faculty Center

Dr. Manuel London is Dean of the College of Business and Director of the Center for Human Resource Management. He holds a joint appointment in the Department of Psychology. He is also Stony Brook's Faculty Director of the Undergraduate College of Leadership and Service. Dr. London's career spans his professorship at major research universities: in particular, the University of Illinois at Champaign-Urbana from 1974-1977 and Stony Brook University from 1989 to present. For the 12 intervening years, he was a researcher and human resource practitioner at AT&T. Dr. London is a pioneer in the now popular field of multisource (360 degree) feedback. As a practitioner and consultant, Dr. London has worked on program development and publications in the areas of performance management, feedback, manager as coach and developer. He is the co-author of Social Entrepreneurship, published in 2010.
LDS 102.3: Mapping Immigrants’ Identity  
Meeting Pattern: W 11:00AM - 11:53AM  
Location: Melville Library N3090

This reading/discussion course addresses the realities of the post-World War II immigrants to the United States in their attempts at creating their own identities in the U.S. maelstrom. As more and more Third World people continue to migrate to the United States, issues that pertain to transnational migration, globalization, ethnic group formation, and the politics of citizenship will continue to be among the most provocative areas of social sciences and humanities research. Therefore, this course is designed to provide the students with a thematic overview of the recent history of these immigrants. For, as globalization and its concomitant effects take the center stage of world events and as they continue to provoke the displacement of people from their homeland, there emerges the need to study and analyze the strategies the immigrants use to adapt to their new milieu.

Instructor: Georges Fouron, Africana Studies

Georges Eugene Fouron, a native of Haiti, is Professor of Education and Social Sciences at the State University of New York at Stony Brook. His research focus is transnationalism and its effects as experienced by Haitians in Haiti and those of the Haitian Diaspora. His latest book, authored with Nina Glick Schiller, Georges Woke up Laughing: Long-Distance Nationalism and the Search for Home, was published by Duke University Press in 2001. His latest manuscript, Haiti’s Migratory Streams at the Crossroads of Global Capitalism and the Politics of Competing Empires, is under review by Penn State Press.

LDS 102.4: Food and Dignity for All  
Meeting Pattern: TH 7:00PM - 8:20PM  
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)  
Location: Melville Library S1410

Peace will not come to our planet until there is” Food and Dignity For All”. This course will explore current trends, beliefs and movements both globally and locally to end hunger and poverty. Will there ever be enough? Are things getting better or worse? Will the next generation be able to bring about an end to poverty? What can individuals do in a practical way make a difference.

Instructor: Tom Lyon, Affiliate

Professor Tom Lyon is a retired educator, with a Master’s degree in Communication Arts from NYIT and the founder of Food and Dignity For All consultants. He taught Secondary English and Community Service for 32 years in the Three Village School district where he founded and directed the Ward Melville HS Student Volunteer Center during the final ten years of his career there. Mr. Lyon has been the LI Area Volunteer Coordinator for Heifer International for over 25 years. Since his retirement, he has been involved in a number of service learning, food justice, and peace building programs with schools, groups and churches on Long Island.
LDS 102.5: Current Events made Interesting
Meeting Pattern: TH 4:00PM- 4:53PM
Location: Melville Library W4545

Why is the job market so terrible for new graduates; why has the value of a college education plateaued and why does China present such a formidable challenge to the U.S.? These represent a few of the most pressing questions of our time that this class will explain and make such news interesting. The goal of this class is to give students a deep understanding of some of the key people, places and events that will loom large in their lifetime. In short, this is the social studies class that you can not only stay awake in. You'll look forward to attending.

Instructor: Charles Haddad, School of Journalism
Dr. Haddad is a former journalist with 25 years of experience. He has written for some of the world's biggest publications, including the New York Times and Business Week. He also has traveled extensively, including recent trips to Russia and China.

LDS 102.6: Getting the Most out of Stony Brook
Meeting Pattern: W 3:30PM- 4:23PM
Location: Humanities 3015

Are you getting the most out of Stony Brook? What did you learn in your fall semester that will on reflection help you this semester. Have you become familiar with the attitudes, norms and skills needed to succeed? Have you recognized the academic skills and study habits needed to meet your potential? Have you recognized the advantages of integrating academic and social experiences? Do you know that it's not too early to think about what comes next...getting a job, getting into graduate or a professional school? Will you be ready? Stony Brook is a challenging environment that gives you a wide array of opportunities that prepare you for success. This seminar will help you understand Stony Brook: its role in society, how it functions and how you can take advantage of its attributes.

Instructor: Peter Baigent, Student Affairs
Dr. Peter M. Baigent is the Vice President for Student Affairs at Stony Brook University and is responsible for all the departments within Student Affairs. Our departments provide support and guidance in the areas of housing, health care, activities, recreation and counsel to all students, both at the undergraduate, graduate and professional levels. Our departments are committed to the success of every student.
LDS 102.7: Communicating in a Digital World
Meeting Pattern: W 2:30PM - 3:50PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: Chemistry 432

As with previous technological creations, beginning with the optical telegram (fire and smoke), then the electrical telegram (impulses), the acoustic telegram (phone), the visual telegram (fax) and now the network of networks (Internet) society has had to integrate these new communication methodologies into the fabric of business and social interactions. It is the intention of this course to describe the newest virtual collaboration tools and their benefits in overcoming distance, time and culture.

Instructor: Aristotle Lekacos, College of Business

Aristotle (Art) Lekacos is currently a Professor and Director of Educational Technology at Stony Brook University in the College of Business. He is also a Director of Information Systems Management in the School of Professional Development and Co-Director of the Study Abroad in Greece program. He founded and managed for 20 plus years, Trac Line Software, a company that developed enterprise wide business systems for Retailers, Wholesalers and Manufacturers. He guided the firm into a multinational corporation, expanding the scope and breadth of the product line. During that period, Mr. Lekacos also provided consulting services to many Fortune 100 corporations including IBM, JC Penney, AT&T, EDS, Sunbeam, Radio Shack, Honeywell, Hammlacher Schlemmer and Xerox . Prior to founding his company, Mr. Lekacos worked at Grumman Aerospace Corporation in Advanced Systems and Business Proposals. He recently published a book titled, "Communicating in a Digital World" which includes online multimedia content.

LDS 102.8: Business Simulation
Meeting Pattern: W 2:30PM - 4:20PM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Computer Science 2116

Student will take control over a new automobile company, making all the relevant sales, marketing, operational and financial decisions necessary to propel their company towards success, while competing directly against other student teams within the class. This class will use a Business Simulation Game to introduce and reinforce core business principles of: Business Strategy, Marketing, Management, Operations and Finance.

Instructor: Michael Nugent, College of Business

Professor Michael Nugent has many years' work experience in both public and private corporations. He has held the position of SAP Financial System Analyst, where his responsibilities included customizing SAP software, configuring FICO financial modules, maintaining profit center structure and profitability determination, implementing SAP upgrade, and developing user documentation. In addition, Professor Nugent held the position of Accounting Manager, which involved determining cost of sales, profitability analysis, budgeting, standard costing, cost allocations, cost behavior determination, product cost estimating and overhead and variance analysis.
LDS Course Offerings

LDS 102.9: Leadership in Politics
Meeting Pattern: W 10:00AM - 11:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Benedict College Main Lounge

This course will examine significant events in world history through the lens of effective leadership. Using case studies such as Cuban Missile Crisis and the American Hostages in Iran, students will explore the leadership opportunities that were both seized and missed. This course will involve significant student participation in both small group and full-class discussions.

Instructor: Laura Valente, Residential Programs

Dr. Laura Valente is SBU's Dean of Residential Education, coordinating educational and developmental initiatives for over 10,000 students. After having earned a BA at Binghamton University and MEd at Syracuse University, she went on to complete her doctoral work in Education Administration at Rutgers University. Among her many accomplishments, Dr. Valente was co-founder of the Leadership Development Living Learning Center, the founder of LEAD and GOLD, and the founding director of the University's Master's in Higher Education Program. Dr. Valente has been elected twice to the University Senate, and has been a member of the SUNY-wide faculty Senate Committee on Student Life. Dr. Valente's current research focuses on the effects of narcissism on college students.

LDS 102.10: Fulfilling the Need to Belong
Meeting Pattern: TH 11:30AM -12:23PM
Location: Melville Library N3090

What makes a likeable person? What makes a great leader? Is it possible to be both? This seminar will address these kinds of questions and more, by exploring the human need to belong, the principles that guide social interactions, and the signals used to cue social dominance. Discussions will revolve around research on interpersonal attraction, group leadership, acquaintanceship processes and emotions, and the evolutionary basis of human relationships.

Instructor: Peter Caprariello, College of Business

Peter Caprariello’s research intersects money and close interpersonal relationships. Specifically, he is currently researching how specifying the relationship context of life experiences versus material possessions affords a more complete understanding of how money can be spent in pursuit of happiness. His dissertation tested whether or not activating self-centered or other-centered motives for spending money on others influences happiness. More broadly, little is known about how relationships influence consumer behavior. He believes that we can develop and extend basic consumer science by better understanding the natural context in which money fundamentally alters, and is altered by, relevant relationship processes. One of his professional goals is to advance research in that broad area.
LDS 102.11: Body Mind Performance for Leadership Training
Meeting Pattern: TU 10:00AM - 11:50AM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: Nassau Hall 0104

This course will examine the "dynamic interplay of imagination, creativity and critical thinking revealed through physical presence, action and performance. Industry, education and business are eager to find cooperative employees who are capable of invention and leadership. This course is based on the premise that physical, creative work requires and enhances the engagement of both independent thinking and collaboration. The practice of physical, creative work will be the focus of the course. The goal of the course is to provide the student with a number of techniques and tools in order to help develop the leader within you.

Instructor: Alice (Amy) Yopp Sullivan, Center for Dance, Movement and Somatic Learning

Amy Yopp Sullivan is an artist/educator/physical researcher, who examines the human condition through the lens of bodymind connections. Sullivan is an Associate Professor and Director at the Center for Dance, Movement and Somatic Learning at Stony Brook University. Her creative and research work have been produced throughout the world. As Artistic Director and Choreographer of IronWorks on the Edge, a dance-theatre company, she tests out innovative methods for bodymind connections through serious and restorative acts of play, artistry and creativity. Sullivan is a Certified Laban/Bartenieff Movement Analyst (CLMA), holds an MFA degree in performance and choreography from University of North Carolina, Greensboro, and an MREd degree in Religious Studies from Gordon Conwell Theological Seminary. She is a past recipient of a Lilly Teaching Fellowship, a President's and Chancellor's Award for Teaching, and is founder and director of the Festival of the Moving Body.

LDS 102.13: Food and Dignity for All
Meeting Pattern: TH 5:30PM - 6:50PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: Melville Library S1410

Peace will not come to our planet until there is "Food and Dignity For All". This course will explore current trends, beliefs and movements both globally and locally to end hunger and poverty. Will there ever be enough? Are things getting better or worse? Will the next generation be able to bring about an end to poverty? What can individuals do in a practical way make a difference.

Instructor: Tom Lyon, Campus Affiliate

Professor Tom Lyon is a retired educator, with a Master's degree in Communication Arts from NYIT and the founder of Food and Dignity For All consultants. He taught Secondary English and Community Service for 32 years in the Three Village School district where he founded and directed the Ward Melville HS Student Volunteer Center during the final ten years of his career there. Mr. Lyon has been the LI Area Volunteer Coordinator for Heifer International for over 25 years. Since his retirement, he has been involved in a number of service learning, food justice, and peace building programs with schools, groups and churches on Long Island.
A college athletic program is often considered to be the front porch of a University. This seminar will explore how a Division I Athletics Department operates within a University such as Stony Brook while also examining the role Athletics play within the larger extended community outside of the boundaries of the campus. The course will include discussions, readings, guest lectures, and attendance at athletic contests as tools to learn how athletics can impact those who participate as athletes as well as those who cheer from the stands, work on the campus or live in the surrounding communities.

Instructor: Jim Fiore, Athletics

Now in his tenth year as Director of Athletics, Jim Fiore has worked tirelessly to point Stony Brook University on an aggressive course for success in all aspects of intercollegiate athletics. He has been widely praised for his unparalleled success directing an athletics department that is widely considered a model for rising athletic departments around the country. In his first eight years, Fiore has undertaken a major restructuring of the intercollegiate athletics program, including the hiring of new coaching and administrative staff, implemented dramatic facility upgrades and celebrated unprecedented revenue generation. For the near future, Fiore is focused on building Stony Brook University Athletics into the premier athletic program in the Northeast Region among all public research universities.

Courtney Rickard is Stony Brook's Assistant Athletic Director for Student-Athlete Development and oversees the development, assessment and implementation of all academic advising and personal and career services as they relate to institutional and NCAA requirements. Rickard was promoted to Assistant Athletic Director in July 2007 after serving as Director for Student-Athlete Development for two years. She has direct oversight for all academic affairs regarding the men's and women's basketball teams while providing student-athletes, coaches and athletics administration with detailed academic progress reports. She also has assisted in the development of a comprehensive program to evaluate continuing eligibility. In the fall of 2006, Rickard began oversight the new Goldstein Family Student-Athlete Development Center which accommodates over 400 student-athletes in a space that has a state-of-the-art computer lab, a 100 seat study hall, a career resource/library area and three private tutor rooms. Rickard is also a presenter for the NCAA/N4A partnership. In this role she speaks to universities and conferences regarding Academic Performance Rates.
LDS 102.15: Service Learning as a Way of Life: The New Network.
Meeting Pattern: M 5:30PM - 7:20PM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to March 15)
Location: Langmuir College Main Lounge

Do you struggle to balance what you want to do and what you have to do right now? Do you have a vision of how you could do good and do well on personal, academic, social, political, or other levels? Do you want to speak truth to power? In this course, you will meet and network with other young people who share your determination and interest. We will explore local-global networks just waiting to exchange ideas and energy with you. Use the Miracle Corners of the World® model for turning your vision into reality, so you balance what is in your heart and on your mind. In the process, you will learn how to make the most of all your resources. By building on your own academic program, you will join youth from around the campus and around the world to develop "the Tools, Confidence, and Networks to make Local Change through Global Exchange.®"

Instructor: Roberta Richin, Campus Affiliate

Roberta Richin is the Executive Director of the Council for Prejudice Reduction, with offices in the School of Social Welfare. She is an author, educator and consultant to multiple organizations, is Board Member Emeritus at Miracle Corners of the World, founding Board Member of Long Island Bulldog Rescue, and serves on the Community Advisory Board of Directors of WNET/WLIW.

LDS 102.16: Alternative Japanese Culture
Meeting Pattern: TU 4:00PM - 4:53PM
Location: Melville Library N3090

Modern Japanese culture is much more diverse than most people realize. In this course, we'll look at the "alternative" side of Japanese culture - subversive cartoons and movies, underground fashion, alternative music, youth subcultures, and even some political movements. We will think about how this alternative culture reflects changes in the Japanese economy, and what the future might hold for Japan. Japanese language ability is not required.

Instructor: Noah Smith, College of Business

Noah Smith received his PhD in economics from the University of Michigan, graduating in 2012. His dissertation concerns expectation formation in financial markets. Noah majored in physics as an undergraduate at Stanford University, and spent three years working in Japan, where he still returns from time to time to do research. He also writes at the economics blog "Noahpinion".
LDS 102.17: Ethics Cases in Current Events  
Meeting Pattern: TU 10:00AM - 10:53AM  
Location: Harriman Hall 102

The use of business ethics cases in current events to inform and train students to be ethically aware and resourceful. Recent business situations enable students to analyze and potentially develop their own perspectives and stay current with news events.

**Instructor:** Margot Palermo, *Business Honors Program*

Margot Palermo is currently a professor at the College of Business at Stony Brook University teaching and directing the undergraduate Business Honors Program. Margot's expertise has been with learning communities and experiential learning. Her reach to outside organizations to do work with her students includes Brookhaven National Laboratory, Cintas, Long Island State Veterans Home, Make A Wish Foundation, Hope House Ministries and more. Margot was with Merrill Lynch for over 25 years. She was the Manager of the International Equity Desk for the Private Client Trading/Marketing Group and was responsible for pioneering and developing the International Private Client Trading Unit at Merrill Lynch with offices in New York, Hong Kong, and London. She started as a Financial Advisor in Manhattan and was invited into the Residential Vice President Program to manage offices around the world. Margot holds a M.B.A. in Finance and International Business from New York University and a B.S. in Public Relations and International Affairs from Boston University. She has done philanthropic and development work throughout her career and is a mother of four.

LDS 102.18: Examining the Development of Traditions and Celebrations at Stony Brook and Other Universities  
Meeting Pattern: TH 11:30AM -12:23PM  
Location: Melville Library S1410

What are our Stony Brook traditions? How have our traditions been developed? This class will explore the history and developments of traditions at Stony Brook University, SUNY and other institutions. We will discuss the role of Athletics in developing traditions and trace the evolution of Athletics from Stony Brook's Division III days to our recent move to NCAA Division I. We will research traditions from other colleges and universities and compare them with our own. Class discussions will include ways the university can initiate and spread new traditions.

**Instructor:** John Leddy, *Student Affairs*

John Leddy has been the Director of Athletic Bands at Stony Brook University since the inception of the department in 2006. At Stony Brook he oversees the Athletic Bands program, which includes the "Spirit of Stony Brook" Marching Band and the Pep Band. The Stony Brook bands are in demand on and off campus and they perform at more than seventy-five events each year. Prior to his arrival at Stony Brook, Mr. Leddy taught music in the Connetquot school district in Bohemia for thirty-three years where he conducted concert band, jazz ensemble and marching band at all levels. Mr. Leddy has a Bachelor of Music degree from the Crane School of Music at Potsdam College, and a Master of Arts from Stony Brook University. He studied percussion with James Peterscak at the Crane School, timpani with Morris Lang of the New York Philharmonic Symphony Orchestra, and jazz drum set with Jim Chapin, Joe Morello and Ed Shaughnessy. Mr. Leddy was the recipient of a Summer Fellowship for music educators from Northwestern University where he studied conducting with Mallory Thompson and Don Owens. He also served as the Director of Jazz Studies at the Usdan Center for the Creative and Performing Arts. Mr. Leddy has guest conducted at numerous SCMEA, NMEA,Hamptons, and North Fork festivals. He served as the NYSSMA Chairman for Instrumental Jazz, as the SCMEA Chairman of Instrumental Jazz and SCMEA Jazz Day Coordinator.
LDS 102.19: Making Data Talk  
Meeting Pattern: W 3:30PM - 4:23PM  
Location: Melville Library N3090

This course is designed to help you learn ways to analyze data quickly and accurately and to help you make sense of data presented in advertisements, news, and articles. This will help you understand claims made for products, drugs, candidates, and numerous other types of information that bombard us daily. It will also help you present data that you collect so you are clear and make the clearest and most accurate argument you can for your point of view. This is a valuable skill and area of knowledge that will help you in your career, no matter what you field, and in your daily life.

Instructor: Michael Kamins, College of Business  
Michael Kamins is Professor of Business at Stony Brook University and Director of Research. He has published over 50 articles in major journals, including the Journal of Marketing Research, the Journal of Consumer Research, Strategic Management Journal and the Journal of Marketing. He has also done consulting work for such companies as American Express, Hilton, Samsung and Pinkberry.

LDS 102.20: Rituals, Ceremonies and Traditions  
Meeting Pattern: W 5:30PM - 6:23PM  
Location: SAC 223

Rituals, ceremonies and traditions play a significant role in our lives and help us interpret the world around us. They also play an important function in people having a sense of connection to a larger group. Some of these events mark a rite of passage, while others help make the transition to something new. Rituals, ceremonies and traditions are quite common on college campuses starting prior to the point of entry and continue well after Commencement Day. This course will examine some of these rituals and events of the communities to which you belong, including Stony Brook, that help foster a sense of belonging.

Instructor: Jerrold Stein, Social Welfare/Student Affairs  
Dr. Jerrold Stein currently serves as the Associate Vice President for Student Affairs and Dean of Students at Stony Brook University. In this role, he oversees Student Health Services, the University Counseling Center, the Center for Prevention and Outreach, the Wo/Men’s and Gender Resource Center, the Division of Student Life and the Offices of the Dean of Students, Commuter Student Services, Multicultural Affairs, and Athletic Bands. Concurrently, Dean Stein also holds a clinical faculty appointment at Stony Brook and was one of the founding members of the Student Community Development Specialization in the School of Social Welfare. Dr. Stein formerly served for 25 years in the Division of Campus Residences where his last appointment was the Dean and Director of Residential Education. Dean Stein holds a doctoral degree in Educational Leadership, Administration and Technology, a Master's degree in College Student Development and a Master of Business Administration degree. Dr. Stein has been the recipient of national, regional and State awards.
LDS Course Offerings

LDS 102.21: Personal Finance
Meeting Pattern: W 5:30PM - 6:23PM
Location: Harriman Hall 102

Study of concepts relating to the management of financial matters, including loans, real estate, estate planning, insurance, and budgets.

Instructor: Mark Palermo, College of Business

Mr. Mark Palermo brings 20 years of diversified business experience to the classroom. His professional career began at The Chase Manhattan Bank, N.A., where he was a middle market lending officer for several years. After completing his MBA at Adelphi University, Mr. Palermo left Chase to take the position of Vice President, Finance for The Neil Automotive Group. He then returned to school full time on a full scholarship, earning his JD from Hofstra Law in December, 1993 and graduating in the top 1.5% of his class. Combining his business experience with his law degree, Mr. Palermo practiced corporate law at the New York firm of Schulte Roth & Zabel LLP, where he negotiated and documented debt and equity transactions, domestic and offshore hedge fund organizations, and structured finance transactions (securitizations and commercial paper conduits.) After four years of successful law practice, Mr. Palermo accepted a position with Gordon Brothers Capital as Vice President, where he was deeply involved in all aspects of financing private companies in crises. In addition to managing the operations of this finance company, he spent much of his time actively managing companies in crises, and negotiating the sale of corporate assets. Mr. Palermo also has experience financing distressed public companies through uniquely structured private placements of convertible debt instruments. He now teaches full time at the College of Business while remaining active in the practice of law.

LDS 102.22: Leadership and Innovation
Meeting Pattern: W 4:00PM - 4:53PM
Location: Harriman Hall 102

Business Week has a new section on Innovation in firms around the world. We shall read Business Week each week and discuss the major articles about leaders who shape the business world.

Instructor: Gerrit Wolf, College of Business

Dr. Wolf is an industrial and organizational psychologist who has focused on entrepreneurship. His students have started on or joined growing technology-based businesses in New York, where he started entrepreneurship classes 20 years ago; in Budapest, where he held Fulbright's Alexander Hamilton Chair of Entrepreneurship in 1993; and in Stockholm, where he was the first Fulbright Chair of Wireless E-Commerce in 2001. He and his students have also consulted for a range of firms including Symbol Technologies and Ericsson. He has published more than 60 academic articles on conflict management, managerial decision-making and leadership. He presently researches wireless impact on organizations and consumers. He is a past Dean of the Harriman School for Management and has had academic and administrative appointments at Georgia Tech, University of Arizona and Yale. Dr. Wolf is currently Director of the College's Innovation Center.
LDS 102.23: Creating Social Change  
Meeting Pattern: TU 2:30PM-3:23PM  
Location: Melville Library N3090

This seminar will give students the opportunity to redefine service as well as to explore avenues for potential leadership. The seminar will be divided into units. Each unit will focus upon an issue that requires service – and ultimately social change. Using each topic as an example, you will increase your understanding of the specific issues and determine which, if any, you might be interested in addressing either as a career or as a service pursuit throughout your life.

Instructor: Charles Robbins, Office of the Provost

Dr. Robbins is Vice Provost for Undergraduate Education and Dean of the Undergraduate Colleges. His academic department is the School of Social Welfare where is an Associate Professor and was the Associate Dean. Dr. Robbins is on the Professional Advisory Council of the Long Island Council on Alcoholism and Drug Dependence and a member of the Board of Directors of Miracle Corners of the World. He was previously a NGO Delegate to the United Nations.

LDS 102.24: Understanding the Healthcare System and the Opportunities for Leadership in It  
Meeting Pattern: TU 10:00AM - 11:50AM  
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)  
Location: HSC 067

This course introduces students to the basic knowledge of the healthcare system and provides some insight into the many leadership roles available in it.

Instructor: Norman Edelman, Preventive and Internal Medicine

Norman H. Edelman, M.D. is Professor of Preventive Medicine, Internal Medicine, and Physiology and Biophysics at the State University of New York at Stony Brook. From 1996 - 2006, he served in a dual capacity as Vice President for Health Sciences and Dean of the School of Medicine at Stony Brook. A graduate of Brooklyn College, Dr. Edelman received his M.D. degree from New York University, where he was elected to the Alpha Omega Alpha honor medical society. He received postgraduate training at Bellevue Hospital in New York City and went on to be a Research Associate at the National Institutes of Health, National Heart Institute, and then Visiting Fellow in Medicine and Advanced Research Fellow of the American Heart Association, Cardiorespiratory Laboratory, Columbia University, College of Physicians and Surgeons, and Presbyterian Hospital.
LDS 102.25: Surfing Around the World
Meeting Pattern: M 12:00PM - 12:53PM
Location: Harriman Hall 102

Discussions for this course will include reports on surfing in different parts of the world, including Hawaii, France, Spain, Morocco, South Africa, and various Caribbean and Central American sites.

Instructor: Richard Laskowski, College of Business

Dr. Laskowski has been an administrator in college athletics for 29 years including 10 years as the Dean of Physical Education and Athletics at Stony Brook. He was hired by Stony Brook to lead the athletics department in its transition from D - III to D - I. Over the years he has had the opportunity to surf some of the great surf sites globally. He will share this information with you as will other students in the seminar.

LDS 102.26: American Civil War Leadership Styles
Meeting Pattern: W 12:00PM - 12:53PM
Location: Harriman Hall 102

The American Civil War (aka the War Between the States or the War of Northern Aggression) Leadership Styles Seminar has been developed for students interested in this crucial time in American history. The seminar will address lectures on both military and civilian leadership styles and then students will do comparisons between northern and southern generals and government officials during this time period.

Instructor: Robert Ettl, College of Business

Although Professor Ettl teaches in the College of Business, he is a life long American Civil War enthusiast. His personal library consists of hundreds of Civil War publications, he has visited and studied every major battle site in the major eastern and western campaigns and many of the minor sites as well. Prof. Ettl has participated in Civil War seminars and round tables and is an active member in the Friends of Gettysburg. Integrating his personal hobby with his business and military leadership experience will produce an enjoyable learning opportunity.

LDS 102.27: What It Means to Be A Leader
Meeting Pattern: M 4:00PM - 4:53PM
Location: Melville Library S1410

This course aims to introduce you to the key issues and concerns about what it means to be a leader. You will examine significant historical and modern sources for insights on the nature and character of leadership, as well as a sampling of the theories that have informed our understanding of leadership practices and the various academic disciplines that study leadership. Each week, we will explore a small number of theories that inform our understanding of leadership, using them as a ‘lens’ which can bring some aspects of leadership into focus, and make other aspects blurred. The course readings and discussions will focus on several questions, beginning with the most fundamental: “Can we predict and understand what makes people successful as leaders?”

Instructor: Chuck Powell, Division of Information and Technology

Chuck Powell, Assistant Provost for Teaching and Learning + Technology at Stony Brook University, is the Interim Chief Information Officer at Stony Brook University. In this position, Powell reports directly to President Samuel L. Stanley Jr., M.D. and oversees the Division of Information Technology in its mission to plan, provision, operate, and maintain computing, media and telecommunication services, facilities, and equipment, that meet the needs of the educational, research, and administrative programs of the University. He also collaborates with the CIO of Stony Brook University Medical Center and other distributed information technology leaders in the development of information systems to foster collegial interactions amongst the campuses and locations.
**SSO 102.1: Positive Psychology**  
**Meeting Pattern:** TU 10:00 AM - 10:53 AM  
**Location:** SSO Center 103

Positive Psychology is the scientific study of the strengths and virtues that enable individuals and communities to thrive. Positive Psychology focuses on how to live a meaningful and fulfilling life, cultivate what is best within people, and enhance people’s experiences of love, work, and play. Students will engage in exercises developed to enhance mental well-being by leaders in the field of Positive Psychology will learn about the scientific roots of these exercises.

**Instructor:** Anne Moyer, Psychology

Anne Moyer is an Associate Professor of Social and Health Psychology. She received her Ph.D. in 1995 from Yale University and has taught at Stony Brook since 2001. She studies how psychological principles can be used to encourage people to engage in cancer early-detection behaviors and ways to skillfully cope with cancer.

**SSO 102.2: Environmental Psychology**  
**Meeting Pattern:** W 10:00 AM - 11:50 AM  
**Note:** this class meets 2 hours / week for 7 weeks  
(March 25 to May 10)  
**Location:** SSO Center 103

This course will introduce environmental psychology, an interdisciplinary field that looks at many aspects of the interaction between humans and their environment. Topics will range from discussions of human views of nature to perceptual processes and human-designed environments. Our discussions will be integrative and pragmatic, drawing upon the resources of many related disciplines, including neuroscience, sociology, architecture, ecology, and urban planning.

**Instructor:** John Robinson, Psychology

Dr. John Robinson is a biological psychologist whose expertise is in animal behavior and neuroscience. He received his Ph.D. from the University of New Hampshire, and then the National Institute of Health, where he conducted postdoctoral research. Dr. Robinson has been on the faculty of Stony Brook University since 1994 and is a recipient of the President’s and Chancellor’s Awards for Excellence in Teaching.

**SSO 102.3: Earth’s Climate System**  
**Meeting Pattern:** F 10:00 AM - 10:53 AM  
**Location:** ESS 081

In this course we will focus on historical, Recent, and deep time climate records. We will use Google Earth maps to examine changes in the Arctic Ice Sheets, to examine predictions for climate change in the future, and we’ll talk about the application of proxy records for Earth’s deep past. The main goal is to examine the variety of data that exists, what the holes are in this data, with the idea of thinking through the Global Climate Change issue more critically.

**Instructor:** Troy Rasbury, Geosciences

Dr. Troy Rasbury’s research focuses on the geochemistry of carbonates that were deposited in sedimentary environments and how we can use these to reconstruct details relevant to Historical Geology. She has primarily focused on the Late Paleozoic glacial interval, about 250-350 million years ago. She is currently interested in understanding changes in ocean chemistry as a monitor of long-term changes in the ocean-atmosphere system.
SSO 102.4: Exploring Contemporary Issues in Environmental Health
Meeting Pattern: TH 2:30PM - 4:20PM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to March 15)
Location: Life Science 022

The purpose of this seminar will be to introduce freshman to contemporary issues in environmental health through reading and discussion of recent newspaper articles on the topic. Students will be asked to conduct internet based research on specific issues raised in each article, and share their findings with the rest of the class. Critical thinking will be emphasized.

Instructor: Anne McElroy, School of Marine and Atmospheric Sciences

Dr. Anne McElroy's research broadly focuses on how aquatic organisms interact with toxic chemicals in their environment. She is interested in how organisms accumulate and metabolize organic contaminants, and how they respond to such exposure at the cellular, biochemical, and physiological levels. Current projects include evaluation of the toxicity of dispersants, their component and breakdown products to fish embryos, evaluation of biological, environmental and anthropogenic factors that influence survival and growth of young-of-the-year winter flounder in Long Island bays.

SSO 102.5: Where Science and Politics Collide
Meeting Pattern: TH 9:00AM - 9:53AM
Location: SSO Center 103

Science and politics initially appear to be very different subjects but they frequently run into one another at the legislative/policy level. This class discusses a variety of issues where science and politics overlap. Possible topics include stem cell research, global warming, evolution, endangered species and land use, energy resources, and science’s role in government. By the end of this course you will hopefully have a better understanding of the science behind some of the more contentious issues at present, develop confidence and respect in debate, understand the importance of skepticism and logic in acquiring knowledge, improve research and evaluative skills, and learn tools to move from emotional to informed analyses.

Instructor: David Black, School of Marine and Atmospheric Sciences

Dr. David Black’s research interests revolve around climate change. He is particularly interested in creating high-resolution reconstructions of past ocean and atmospheric variability that can be used to assess possible anthropogenic influences on modern climate. These studies are based on marine microfossil population and shell geochemistry (trace metals and stable isotopes) data that provide information about past ocean temperatures, salinity, water column structure, continental precipitation, trade wind intensity, and many other climate variables.
SSO 102.6: Topics in Modern Dentistry
Meeting Pattern: M 10:00AM - 11:50AM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to March 15)
Location: SSO Center 121

These interactive sessions are designed to introduce the participant to the world of Dental Medicine, and Dental Education through a survey of diverse materials related to the profession and the practice of dentistry. By the end of this seminar the student will be able to discuss topics in modern dentistry ranging from issues affecting access to care in underserved areas to the latest technical advances in modern dentistry, and everything in between.

Instructor: Hugh Finch, General Dentistry
Dr. Hugh Finch is an Assistant Professor in the Department of General Dentistry, where he serves as the Director of Admissions and Student Affairs. He completed his D.D.S. at Stony Brook's School of Dental Medicine.

SSO 102.7: The Eye of the Storm: Devastating Weather Events of the Past and Future
Meeting Pattern: TU 10:00AM - 11:50AM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to May 10)
Location: SSO Center 121

This class will investigate some of the biggest weather storm events (hurricanes, blizzards, tornado outbreaks, nor-easters, etc…) during the past century, and how society has been impacted from the local to the global scale. Some of the inner-workings of these storms will be discussed using some of the latest tools and technology available. Finally, how these storms may change in the future will be reviewed.

Instructor: Brian Colle, School of Marine and Atmospheric Sciences
Dr. Brian Colle is the leader of the Coastal Meteorology and Prediction (COMAP) group at the School of Marine and Atmospheric Sciences (SoMAS). The COMAP group investigates severe weather in the coastal zone of the Northeast U.S., such as hurricanes, tornadoes, snow storms, flooding, and how these phenomena may change in a warming climate. The group uses field observations and high resolution models to understand the physical processes of these storms and how to improve the forecasting of these phenomena. The group collaborates with physical oceanographers and ocean modelers to better understand and predict the storm surges and waves associated with these coastal storms.
**SSO 102.8: Talking Hands**  
Meeting Pattern: W 3:30PM-4:23PM  
Location: SSO Center 103  

The people of the Bedouin village of Al-Sayyid in the Negev desert in Israel have created a sign language with little outside influence. We will read the book Talking Hands, which describes this sign language and sign languages in general, and which tracks the instructor’s visit to the village to do research on the language.  

**Instructor: Mark Aronoff, Linguistics**  
Mark Aronoff has been on the Stony Brook faculty since receiving his Ph.D. from MIT in 1974. His research touches on almost all aspects of linguistic morphology and its relations to other aspects of language. For the last dozen years he has been a member of a team studying a newly-created sign language, Al-Sayyid Bedouin Sign Language. He also has a strong commitment to promoting the teaching of linguistics at all levels. From 1995 to 2001, he served as Editor of Language, the Journal of the Linguistic Society of America. Professor Aronoff was involved in university administration for over a decade, with primary responsibility for undergraduate education university-wide.

**SSO 102.9: Ethics in Scientific Research**  
Meeting Pattern: M 2:30PM-3:50PM  
Note: this class meets 1 hour 20 mins/week for 11 weeks (January 28 to April 19)  
Location: SSO Center 103  

Scientific research raises numerous ethical issues, such as informed consent of research subjects and conflicts of interest. There are also many clearly documented cases of scientific fraud. We will discuss examples based on readings and presentations. Grading will be based on participation and a few short written assignments.  

**Instructor: Peter Stephens, Physics & Astronomy**  
Peter Stephens’s group in the Department of Physics and Astronomy at Stony Brook University focuses on the understanding of materials at the atomic level. One of the central conceits of condensed matter physics is that knowledge of crystal structure enables the understanding (dare one say, prediction?) of properties, such as superconductivity or magnetism. The main technique employed in our group is powder diffraction, especially at the nearby National Synchrotron Light Source at Brookhaven National Laboratory. Interesting materials usually make their first appearance as powders; frequently, single crystals of size and quality required for traditional crystallographic methods cannot be prepared.
SSO 102.10: Anesthesiology - My World and Welcome to it!
Meeting Pattern: TU 1:00PM - 2:50PM
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)
Location: HSC 158

During the 7 weeks, students will discuss principles some general medical principles and be introduced to pharmacology as it relates to anesthetic medications. Sessions using a medial simulator will give students the opportunity to start IV lines and perform various airway management procedures routinely used in anesthesia and other areas of medical practice. Students will also gain an understanding of medical terminology and the seminar will conclude with a discussion of how to prepare a competitive application for medical school or other graduate health professional career.

Instructor: Stephen Vitkun, Anesthesiology

Dr. Stephen Vitkun is Professor and Vice Chairman (Special Projects) in the Department of Anesthesiology and Professor of Pharmacological Sciences and Clinical Health Sciences.

SSO 102.11: What is Personalized Medicine?
Meeting Pattern: TU 2:30PM - 3:23PM
Location: SSO Center 103

In this seminar we will study the ongoing trend toward personalized and genome-based medicine. We will read and discuss "The Language of Life: DNA and the Revolution in Personalized Medicine" by Francis Collins.

Instructor: John True, Ecology and Evolution

John R. True is an Associate Professor in the Dept. of Ecology and Evolution and has taught introductory biology, genetics, and evolutionary biology at the graduate and undergraduate levels at Stony Brook for eleven years. His research is on the genetic and developmental bases of adaptation and biodiversity using Drosophila species as models.

SSO 102.12: The Science of Happiness
Meeting Pattern: TH 1:00PM - 2:20PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: SSO Center 103

Some argue that a slippery concept like “happiness” is not even a proper scientific topic—that its study is best left to philosophers and novelists. But many behavioral scientists argue that happiness is quantifiable, and readily subjected to systematic inquiry. Some have even suggested that the time has come for measures of "well-being " to be incorporated into national statistics, right along with economic measures such as the GDP (gross domestic product). In this course, we will examine the current state of the art in research on happiness, and discuss questions such as: How should happiness be defined? Do we know what makes us happy? What does research tell us about what does (and does not) lead to happiness? Should these research findings be used to influence social policy?

Students will engage in discussion of these issues, informed by readings and audiovisual materials. We will also examine some of the state of the art methods for measuring happiness, and see how they do at measuring our own.

Instructor: Dylan Smith, Preventive Medicine

Dylan Smith is an Associate Professor of Preventive Medicine at Stony Brook University. He graduated from Virginia Polytechnic Institute (BS, Psychology) and Arizona State University (MA and PhD, Social Psychology). He completed a two year post doctoral training position at the University of Kansas. Dylan previously held the position of Assistant Professor of Internal Medicine at the University of Michigan, where he worked in the multi-disciplinary Center for Behavioral Sciences in Medicine. Other past positions include Health Science Specialist at the Department of Veterans Affairs, Ann Arbor, and core faculty member of the Robert Wood Johnson Clinical Scholars Program at Michigan.
SSO 102.13: The Science and Society Cookbook
Meeting Pattern: TU 11:30AM -12:23PM
Location: SSO Center 103

This class will explore many aspects of food—where ingredients originated and how they migrated; how our ancestors solved the fundamental problem of food storage; why certain foods and meals have particular cultural and social meanings; and our evolving understanding of the role of food in medicine and health. These topics by focusing on meals that have great personal meaning to students in the class. In addition to the short written and oral reports described below, students will read occasional papers and be encouraged to participate in class discussion.

Instructor: Glenn Lopez, School of Marine and Atmospheric Sciences

Dr. Glenn Lopez’s research focuses on ecological and oceanographic processes in the benthos. He is especially interested in the nutrition of deposit feeding invertebrates. These detritivores live by feeding on decomposing organic matter that sinks to the seabed. His lab investigates strategies that animals use this nutritionally diverse and dilute food source, integrating physiological, geochemical and ecological approaches in these studies. He also has a longstanding interest in the limits of detritivory in the benthos, particular with respect to body size and feeding depth.

SSO 102.14: Music and Science
Meeting Pattern: W 2:30PM- 3:23PM
Location: Staller 2314

Study of music was an essential part of the curriculum in Antiquity, constituting the Quadrivium along with geometry, arithmetic, and astronomy. But while the association between music and the scientific disciplines is a long-standing one, the nature of this association has undergone various changes over the centuries. During this class, we will consider the nature of the relation between music and science, focusing on the relation of music to: mathematics, the physics of sound, neuroscience, DNA, data sonification, and perception studies. Participants will be required 1) to attend 4 on-campus concerts and complete assignments related to those concerts, 2) to complete short bi-weekly assignments, and 3) to make an in-class presentation as a final project.

Instructor: Judith Lochhead, Music

Judy Lochhead is Professor of Music and Director of Graduate Studies.. She studies the history and theory of recent musical practices, with a particular emphasis on contemporary classical music.
SSO 102.15: When the Rivers Run Dry  
Meeting Pattern: M 12:00PM - 12:53PM  
Location: SSO Center 121

Participants in this seminar will explore the science and politics behind global water crisis by reading Fred Pearce’s book and discuss assigned readings in class. Discussion leaders will use 15–minute powerpoint presentations followed by general discussion. The book, ‘When the rivers run dry’, provides some of the most interesting, nerve-wracking, disappointing, and infuriating stories and statistics on water politics worldwide. The author brings depth to the subject and approaches the issues facing water management (and rather more often the appalling mismanagement) from several angles that make this book a joy to read.

**Instructor: Kamazima Lwiza, School of Marine and Atmospheric Sciences**

![Kamazima Lwiza](image)

Dr. Kamazima Lwiza is a marine physicist. He studies ocean and lake processes that affect water physical properties, e.g., temperature, salinity, stratification, and dissolved oxygen concentration. These processes may include climate change, transport (e.g., currents and tides) and density distribution (e.g., mixing and heat balance). His research interests are the structure and dynamics of shelf-seas and lakes, remote sensing oceanography and biological-physical interactions which affect ecology. He incorporates technologies like the acoustic Doppler current profiler (ADCP), GPS-tracked Lagrangian drifters and satellites.

SSO 102.16: Drugs for the 21st Century  
Meeting Pattern: F 1:00PM - 1:53PM  
Location: SSO Center 121

This course is intended as an introduction to the study of pharmacology and how it impacts society, how existing drugs were identified, how new drugs are identified and developed for the market now, and how this may change in the future. During the first four (4) sessions, Professor Fisher will lead discussions on career choices in biomedicine, basic principles of modern pharmacology, the US drug approval process including the impact of pharmaceutical company sponsored research, and the impact of genetics/human genome sequencing on drug identification and development for the individual (pharmacogenomics). Through student-led discussions, we will then consider several specific pharmaceutical agents, how they were identified, characterized and in many cases modified.

**Instructor: Paul Fisher, Pharmacological Sciences**

![Paul Fisher](image)

Dr. Paul Fisher received both the MD and PhD degrees from Stanford University in California; the latter (Dr. David Korn, preceptor) was awarded “with distinction.” He chose to pursue a career in biomedical research, undertook a postdoctoral fellowship with Dr. Günter Blobel (recipient of the 1999 Nobel Prize in Physiology or Medicine) at the Rockefeller University in New York and has been a member of the Pharmacological Sciences Faculty at Stony Brook University since 1983. He is now Professor (since 1997) and Vice-Chair (since 2005). His research career spanned more than three decades, and he was continuously funded as a Principal Investigator (Project Director) by the US NIH. During this period, he also received funding sporadically from several other agencies including the American Cancer Society, the British Royal Society, RIKEN of Japan, the International Human Frontiers Science Program, NATO, the US-Israel Binational Science Foundation, and others.
SSO 102.17: Is chocolate good for you?
Meeting Pattern: TH 2:30PM - 3:50PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: SSO Center 103

This class is not about chocolate, but about evaluating the never-ending stream of health claims we encounter in the media. Is chocolate good for you? Do cell phones cause brain tumors? Will drinking red wine help you live longer? Do herbal supplements work? Do vaccines cause autism? In this class, we will focus on methods to evaluate these kinds of claims and determine which withstand scrutiny.

Instructor: Howard Sirotkin, Neurobiology and Behavior

Howard Sirotkin attended the University of Florida from 1987 to 1991 and was awarded a B.S. degree in Microbiology in 1991. He attended Albert Einstein College of Medicine from 1991 to 1996 and received an M.S. in Molecular Genetics in 1993 and a Ph.D. in Molecular Genetics in 1996. He was a postdoctoral fellow at the Albert Einstein College of Medicine (Molecular Genetics) from 1996 to 1997, at New York University’s School of Medicine (Developmental Genetics) from 1997 to 1999 and at Stanford University School of Medicine (Developmental Biology) from 1999 to 2001. He became an assistant professor of Neurobiology & Behavior at the State University of New York at Stony Brook in 2002, and in 2008 was promoted to the rank of associate professor with tenure.

SSO 102.18: Science Times: The Science Behind the News
Meeting Pattern: W 5:30PM - 6:23PM
Location: Endeavor Hall 113

This seminar will involve discussion of current science news as presented weekly (Tuesdays) in the New York Times Science section. Each week we will read and discuss the articles in the science section (and other science news sources as appropriate). Emphasis will be placed on understanding the basics behind each story and why it is newsworthy. Occasionally we will read the original journal articles (such as those published in the journals Science and Nature) on which many science news stories are based.

Instructor: Kirk Cochran, School of Marine and Atmospheric Sciences

Dr. Kirk Cochran, along with his research group, is using natural radionuclides, as well as those produced by activities such as atomic weapons testing, to study earth surface processes. The fact that different chemical elements are represented in the suite of radioactive nuclides permits studies of chemical behavior, and the property of radioactivity provides a clock with which to measure rates. Much of his recent research has focused on using naturally occurring thorium isotopes to determine rates of particle cycling and particulate organic carbon fluxes in the open ocean. This work has as its goal an understanding of the fate of carbon in the ocean and has been carried out in the North Atlantic, Equatorial Pacific and Southern Oceans, as well as the Mediterranean Sea. The thorium isotopes provide a means of determining the export of particulate organic carbon from the upper ocean and provide information on this important aspect of the carbon cycle. His group also has used natural radionuclides to characterize carbon export and transport in the Arctic in the Northeast Water and North Water Polynyas (seasonally ice free areas) and on the Mackenzie River shelf as part of the ongoing Canadian Arctic Shelf Exchange Study (CASES). He has also used natural and anthropogenic radionuclides to study the transport of sediments and associated contaminants by sea ice in the Arctic.
SSO 102.19: The Art and Science of the Brain
Meeting Pattern: TH 10:00AM - 11:20AM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: SSO Center 103

The class sessions begin with a brief introduction to the nervous system and to the ways in which nervous system function can be studied in the living human brain, e.g., fMRI. During the next few sessions, students will meet artists in different disciplines and discuss with them their experiences of talent, improvisation and other factors that are unique to their artistic abilities and creations. In the final few sessions, students will work as teams to develop research proposals that apply the methods of brain study learned about at the beginning of the course to achieve a better understanding of the neurobiological basis for art, talent and art appreciation.

Instructor: Mary Kritzer, Neurobiology and Behavior
Dr. Mary Kritzer is a professor in the School of Medicine at Stony Brook. Her research interests are in investigating the effects of estrogen and androgen on brain areas that control cognitive behavior.

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Instructor: John Lutterbie, Theater Arts and Arts
Dr. John Lutterbie is a member of the Theatre Arts Department, but is chair of both Theatre and Art. Beginning his career as a stage director, he now focuses on theory, with a special curiosity about how the cognitive sciences can be useful in thinking about art and creativity. His most recent book is called Toward a General Theory of Acting: Cognitive Science and Performance. Lutterbie is also helping to develop a Center for Embodied Cognition.
SSO Course Offerings

SSO 102.20: Sugar and Fat
Meeting Pattern: M 7:00PM - 8:20PM
Note: this class meets 1 hour 20 mins/ week for 11 weeks (January 28 to April 19)
Location: SSO Center 103

Obesity is increasing at a rapid rate in the USA. Basic concepts in chemistry and biology related to the synthesis, storage and utilization of fat will be reviewed. Students will be asked to read and evaluated various sources (Internet- medical journals) on the epidemiology and treatment of obesity. We will also discuss the implications of policies with respect to consumption of sweets, airline seats, discrimination in the workplace. Students will be asked to present a 5 minute powerpoint to the class that they would use for patient education on obesity, as part of the requirement for completing the course.

Instructor: Ellen Li, Medicine

Dr. Ellen Li’s major research interest is on defining the role of the gut microbiome in digestive diseases, particularly inflammatory bowel diseases, colon cancer, and functional GI disorders (e.g. irritable bowel syndrome). Since coming to Stony Brook in 2009, Ellen has launched an interdepartmental Digestive Diseases Biobanking Core, with the generous support of the Simons Foundation, that will provide an infrastructure that encourages collaborations between clinicians and basic scientists in conducting clinical translational research. She is the author of 77 peer-reviewed articles and several chapters in the Textbook of Gastroenterology. Dr. Li participates in the training of medical students, residents, and fellows at the Stony Brook University School of Medicine.

SSO 102.21: Neuroethics
Meeting Pattern: TU 7:00PM - 8:50PM
Note: this class meets 2 hours/ week for 7 weeks (January 28 to March 15)
Location: Melville Library N4000

In this class, we will examine the intersection of neuroscience and ethical, legal, and social issues.

Instructor: Turhan Canli, Psychology

What makes each of us unique? Dr. Canli addresses this simple yet profound question from the perspective of psychology, molecular biology, and neuroscience. He is particularly interested in how life experiences and genetics interact to shape our personality, emotional experiences, and individual differences.

But...this course is about his other academic passion (he has lots of non-academic passions, too) Dr. Canli is also deeply interested in “Neuroethics”. Neuroethics is concerned with how neuroscience can be applied to solve problems in the real world, and what the policy, legal and, yes, ethical implications of such applications are. For example, should we use brain scanners to interrogate terror suspects or ordinary criminals? Should we invent drugs that can boost our cognitive capacities, even if we don’t have any medical reason to mess with our brains? Would it be okay to remove unwanted memories? These are some of the questions we will cover in this course, in part by watching popular films that deal with these topics, and then learning and discussing the science behind the fiction.

Dr. Canli is co-founder of the International Neuroethics Society. He plays many advisory roles, most recently as a consultant to President Obama’s Bioethics Council. He holds a PhD and two Master’s degrees from Yale University, and an Undergraduate degree with highest honors from Tufts University.
SSO 102.22: Nuclear Power  
Meeting Pattern: F 9:00AM - 9:53AM  
Location: Physics P122  
The course will discuss the technology, safety, and future of nuclear energy at a level accessible to students with no special expertise except algebra.  

Instructor: Linwood Lee, Physics  

Dr. Linwood Lee is Professor Emeritus in the Department of Physics. He received his Ph.D. from Yale University in 1955. His research focuses on experimental nuclear structure, and he founded Stony Brook's Nuclear Structure Laboratory.

SSO 102.23: Big Science and Small Science  
Meeting Pattern: TH 4:00PM - 5:50PM  
Note: this class meets 2 hours / week for 7 weeks (January 28 to March 15)  
Location: Physics P125  

Ever since the Manhattan Project that developed the atomic bomb a number of very large and centrally managed science projects have been proposed and executed. A prominent example is the Large Hadron Collider at CERN, aimed at discovering and studying the Higgs boson. This "Big Science", defined as projects costing many billions of dollars and involving thousands of scientists, is contrasted by "Small Science", defined as the work of one or a few scientists in a laboratory following their own intuition. Many of the great steps forward have been produced by Small Science: the transistor, the double helix and the genetic alphabet are a few examples. We will discuss the relationship between Big Science and Small Science. Are the large projects needed for the advancement of science? Does society need to support small groups of scientists doing "curiosity-driven research without clearly defined goals? How can we predict which scientific discovery leads to tangible benefits?  

Instructor: Laszlo Mihaly, Physics and Astronomy  

Dr. Laszlo Mihaly is doing experimental condensed matter physics at the Physics Department at Stony Brook University. He is also currently Chair of the Department. His main research interest is electron spin resonance at high magnetic fields, which is just a special case for far infrared optical spectroscopy in magnetic field. Materials include manganites, high temperature superconductors and doped fullerenes. Experimental methods in his Stony Brook laboratory include materials preparation, IR spectroscopy and electrical transport measurements.
SSO 102.24: Humans and their Place in Nature
Meeting Pattern: TU 4:00PM -5:50PM
Note: this class meets 2 hours / week for 7 weeks
(January 28 to March 15)
Location: SSO Center 103

This course will examine how humans fit into the natural world. The emphasis will be on human evolution across the past 6 million years and students will learn about the different species of human ancestors and their way of life. Students will examine fossils and archaeological artifacts and will learn how scientists interpret such finds. We will further discuss differences between humans and other animals and how the perception of ourselves and the world we live in is affected by current scientific thought and other belief systems.

Instructor: Anja Deppe, Turkana Basin Institute

Dr. Anja Deppe is a physical anthropologist who is interested in all aspects of ecology and animal behavior. In Madagascar, she investigated how mouse lemurs (tiny primates) use their senses of seeing, hearing, and smelling to avoid predators. She is currently the director of the Turkana Basin Institute Field School and shares her time between Kenya and Stony Brook University.