Binghamton University Scholars Program

Professor William Ziegler, Executive Director

http://binghamton.edu/scholars/

Fall 2016 Scholars Requirements and Course Offerings

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Planning for Binghamton University Scholars Courses

For those who entered the Binghamton University Scholars Program in **Fall 2015:**

**Fall 2016:**
Those who entered the Scholars Program in Fall 2015 must enroll in and successfully complete a section of SCHL280 during the Fall 2016 semester unless you receive written permission to do otherwise from Professor Ziegler.

For those who entered the Binghamton University Scholars Program in **Fall 2014:**

**Fall 2016 or Spring 2017:**
Those who entered the Scholars Program in Fall 2014 must register for SCHL327 and complete the Scholars III requirement prior to the close of the Spring 2017 semester unless you receive written permission to do otherwise from Professor Ziegler. Use B-Engaged to submit a Scholars III pre-activity application and a post-activity application for approvals [https://bengaged.binghamton.edu/organization/buscholars/availableforms](https://bengaged.binghamton.edu/organization/buscholars/availableforms).

For those who entered the Binghamton University Scholars Program in **Fall 2013:**

**Fall 2016 or Spring 2017:**
Those who entered the Binghamton University Scholars Program in Fall 2013 must register for SCHL427, and complete the Scholars IV requirement prior to the close of the Spring 2017 semester unless you receive written permission to do otherwise from Professor Ziegler. Use B-Engaged to submit a Scholars IV pre-activity application and a post-activity application for approvals [https://bengaged.binghamton.edu/organization/buscholars/availableforms](https://bengaged.binghamton.edu/organization/buscholars/availableforms).

Additionally, the Application for Completion of Scholars Program Requirements on B-Engaged must be completed. [https://bengaged.binghamton.edu/organization/buscholars/availableforms](https://bengaged.binghamton.edu/organization/buscholars/availableforms).

Graduating with Honors

To receive President’s Honors (gpa 3.5-4.0) or All-University Honors (gpa 3.25-3.49) upon graduation, those who entered the Binghamton University Scholars Program in **Fall 2013** must register for and complete all Scholars requirements including SCHL127, SCHL227, SCHL280s, SCHL327 and SCHL427 prior to the close of the Spring semester unless you receive written permission to do otherwise from Professor Ziegler. **Additionally, an overall GPA of 3.25 is required.** There are no exceptions to the GPA requirement and if not met, an honors designation will not be granted at graduation even if all other requirements of the Scholars Program have been completed.
Fall 2016 Binghamton University Scholars Courses

SCHL127: *Thinking Like Leonardo DaVinci*
Credit Hours: 2

Offered only to incoming Binghamton University Scholars, this course will help Scholars get off to a great start at Binghamton University while simultaneously learning how to think like one of the best minds ever to grace the planet. Students will proceed on a journey that couples navigating college with unlocking the mysteries of DaVinci and his work in science, engineering, art, medicine, and more. Students will learn how DaVinci’s style of interdisciplinary thinking will translate into great thinking and success at Binghamton University and beyond. Open only to students enrolled in the Binghamton University Scholars Program. Two credit hours.

SCHL298: *Intermediate Undergraduate Project*
Participation in a project under supervision of a faculty member. Approval of proposed project by the faculty member and Scholars Executive Director must be obtained prior to registration. Written final report required. Supervising faculty member must be a regular member of the Binghamton University faculty. Variable credit (1-4 credit hours; 40 hours per semester, per credit hour required). Prerequisites: SCHL127 (intended for freshmen and sophomore Binghamton University Scholars).

SCHL299: *Intermediate Undergraduate Research*
Conduct independent research under the guidance of a faculty member or assist with ongoing faculty research. Approval of proposed research by the faculty member and Scholars Executive Director must be obtained prior to registration. Written final report required. Supervising faculty member must be a regular member of the Binghamton University faculty. Variable credit (1-4 credit hours; 40 hours per semester, per credit hour required). Prerequisites: SCHL127 (intended for freshmen and sophomore Binghamton University Scholars).

SCHL 327: *Scholars III: Worlds of Experience*
All Scholars expecting to complete the Scholars III requirements during the Spring 2016 semester must register for SCHL327 and complete a Scholars III Pre-Approval Application on B-Engaged before registering. Upon completion of the Scholars III activity, a Post-Approval Application must be submitted through B-Engaged. Please note that SCHL327 is a zero-credit course, but it must be completed as part of the Scholars Program requirements. A grade of P or F will appear on transcripts at the conclusion of the course. If the Scholars III requirement is being completed as study abroad, or during the summer or semester break, then Scholars must register for SCHL327 in the semester immediately following completion of the requirements.

**Course Description:**
Scholars III requires students to participate actively in Scholars Program activities and to seek and complete an experiential learning activity, which provides the opportunity to put into practice the knowledge gained from courses taken. Scholars III is intended to expand your perspective on your education and help you define and direct your progress from the classroom to the world of work. A commitment of at least 30 hours is required for the activity, the activity must be approved the Scholars Director in advance, and the activity must be supervised. Scholars III requirements can be achieved through a variety of experiential education activities as described in the Scholars Handbook.
Approved Scholars III activities include:

- Internships
- Study abroad
- Clinical experience
- Laboratory experience
- Research experience
- Teaching practicum
- Field study
- Music/Theater production
- Studio Experience
- Professional paper/poster presentation
- NURS 321 (Decker School of Nursing Clinical Experience)
- MGMT 350 (School of Management PWC Scholars Community Project)
- SCHL 396 (Guthrie Scholars Premedical Internship)
- Freshmen Research Immersion (BIOL 323, PHYS 235, MSE 212, PSYCH 364, CHEM 262)
- Other (with permission)

**SCHL391: Scholars Teaching Practicum**

**Credit Hours:** 2

Independent study through teaching-related experiences in a particular Scholars Program course. Various assignments are closely directed by the instructor in that course, including development of syllabi and other course materials; creation and reading of examinations; lecturing and/or discussion leadership. May include responsibilities coordinating students working on service related activities under direction of an instructor.

Prerequisites: SCHL127, SCHL227, SCHL280 and permission of Professor Ziegler, Executive Director

**SCHL395 Scholars Internship**

**Credit Hours:** 1 to 4

On-the-job, practical, hands-on experience at a preapproved organization providing an opportunity for Scholar interns to work in industrial, commercial, academic, or not-for-profit institutions and to apply their knowledge to practical professional problem solving. Variable credit of 1-4 hours with 40 hours of experiential activity required per credit hour.

Prerequisites: SCHL 127, SCHL 280, restricted to Binghamton University Scholars, and Permission of Scholars Executive Director.

**SCHL396 Guthrie Scholars Premedical Internship**

**Credit hours:** 12

**Instructors:** Physicians and professional staff at Guthrie Clinic and Robert Packer Hospital  
**Instructor of Record:** Professor William Ziegler, Scholars Executive Director

Full-time, unpaid internship for Scholars wishing to attend medical school upon graduation. Takes place over an entire semester in-residence at the Guthrie Clinic and Robert Packer Hospital campus, a 254-bed teaching hospital with a Level II Trauma center, Intensive Care Unit, clinical skills lab, and other diagnostic, medical, and surgical services. Interns complete weekly reflection papers and time log, a research project, a medical terminology class, an observership in trauma and on Guthrie’s helicopter air-ambulance, skills lab training, clinical observations, medical/surgical grand rounds, resident and student lectures, and teaching rounds. Interns also shadow doctors, nurses, social workers, nutritionists, allied health care providers, and administrators across the Guthrie organization. Interns spend an average of 48 hours per week toward all requirements of the internship for 15 weeks. Credit hours: 12; letter grade.

Prerequisites: SCHL127, SCHL280 (one section) and SCHL227 preferred. Junior level at the time of the internship preferred. Restricted to students enrolled in the Binghamton University Scholars Program. Permission of Scholars Executive Director, and an application process through Guthrie required.
SCHL397: Scholars Independent Study
Credit Hours: 1 to 4

Independent study supervised by an instructor approved by the Scholars Executive Director. Permission of Professor Ziegler, Executive Director required.

SCHL 427: Scholars IV Capstone
All Scholars expecting to complete the Scholars IV requirements during the Fall 2015 semester must register for SCHL427 and complete a Scholars IV Pre-Approval Application on B-Engaged before registering. Upon completion of the Scholars IV activity, a Post-Approval Application must be submitted through B-Engaged. Please note that SCHL427 is a zero credit course that will not be graded, but must be completed as part of the Scholars Program requirements. Scholars MUST register for SCHL427 in the semester in which he/she will complete the requirements for Scholars IV. If the Scholars IV requirement is being completed during the summer or semester break, then Scholars must register for SCHL427 in the semester immediately following completion of the requirements. The Scholars IV Post-Approval form must be submitted in the same semester in which the Scholar registers for SCHL427 upon completion of the Scholars IV activity. Scholars IV requires students to participate actively in Scholars Program activities, and to seek and complete a capstone learning activity related to your major. Scholars IV is intended to bring together all of the learning you have accomplished and leverage that learning into a final capstone activity. The selected capstone activity must be approved by the Scholars Director in advance.

The following options are available to complete the Scholars IV requirement:

- **Double Major:** Complete a major in two different departments in the same school or college (e.g., a degree in computer science and a degree in electrical engineering, both from the Watson School).
- **Double Degree:** Obtain degrees in two different schools/colleges (e.g., a degree from Harpur College and a degree from the School of Management).
- **Department Honors:** Earn honors in the department of your major (Check to see if your major has an honors program).
- **Decker School of Nursing senior year clinical:** NURS 471
- **Watson School Senior Project** (engineering programs only, not CS): ISE 492, EECE 488, ME 494, BE 451
- **School of Management’s Global Strategic Management course:** MGMT 411
- **Guthrie Scholars Premedical Internship:** Scholars in this competitive internship live on the Guthrie Campus in Sayre, PA for a semester while completing an undergraduate residency program.
- **Capstone Course option 1:** Complete a 400-level (or above) elective course that does not count towards your major requirements.
- **Capstone Course option 2:** Complete a 400-level (or above) elective course that does count towards your major requirements and identify, with the help of your instructor, additional requirements, which you must complete in addition to the course requirements. This should involve a minimum of 40 hours of activity in addition to the work required for the course.
- **Capstone Research, Project or Independent Study:** Requires a minimum 50-hour commitment towards this activity and supervision by a faculty member.

SCHL498: Advanced Undergraduate Project
Participation in a project under supervision of a faculty member. Approval of proposed project by the faculty member and Scholars Executive Director must be obtained prior to registration. Written final report required. Supervising faculty member must be a regular member of the Binghamton University faculty. Variable credit (1-4 credit hours; 40 hours per semester, per credit hour required). Prerequisites: SCHL127, SCHL227, SCHL280 (intended for junior and senior Binghamton University Scholars).
**SCHL499: Advanced Undergraduate Research**
Conduct independent research under the guidance of a faculty member or assist with ongoing faculty research. Approval of proposed research by the faculty member and Scholars Executive Director must be obtained prior to registration. Written final report required. Supervising faculty member must be a regular member of the Binghamton University faculty. Variable credit (1-4 credit hours; 40 hours per semester, per credit hour required). Prerequisites: SCHL127, SCHL227, SCHL280 (intended for junior and senior Binghamton University Scholars).

**Future SCHL280 Course Offerings**
Predicting which SCHL280 courses will be offered each semester or year is not possible due to the variables associated with faculty availability. However, approximately six SCHL280 courses will be offered every semester.

**Winter and Summer sessions:** No Scholars courses are typically offered during these sessions.

**Fall 2016 SCHL280 Courses**
- SCHL 280A, Evolutionary Psychology – N
- SCHL 280B, Innovation and the Modern World (no gen-ed)
- SCHL 280C: Global Cultures of Ceramics – A, G
- SCHL 280D, Technology and Impact of Solar Energy – J (O and C)
- SCHL 280E, Faust in Film - A, C
- SCHL 280G, On Wolves and Myths - H, J
- SCHL 280H, Peace, A Historical Perspective – H, J
- SCHL 280I, International Business – O
- SCHL 280J, Who Owns the Past? Archaeology, Cultural Heritage and Global Conflicts – N, G
**SCHL280A Evolutionary Psychology**

**Instructor:** Professor Joseph Morrissey, Dept. of Psychology  
**General Education:** N – Social Science  
**Credit Hours:** 4

**Course Description:**
Evolutionary psychology (EP) explains psychological traits—such as memory, perception, or language—as adaptations, that is, as the functional products of natural selection or sexual selection. Adaptationist thinking about physiological mechanisms, such as the heart, lungs, and immune system, is common in evolutionary biology. Evolutionary psychology applies the same thinking to psychology. Modern evolutionary psychologists argue that much of human behavior is generated by psychological adaptations that evolved to solve recurrent problems in human ancestral environments. Other adaptations, according to EP, might include the abilities to infer others' emotions, to discern kin from non-kin, to identify and prefer healthier mates, to cooperate with others, and so on. Evolutionary psychologists see those behaviors and emotions that are nearly universal, such as fear of spiders and snakes, as more likely to reflect evolved adaptations. Evolved psychological adaptations (such as the ability to learn a language) interact with cultural inputs to produce specific behaviors (e.g., the specific language learned). This view is contrary to the idea that human mental faculties are general-purpose learning mechanisms. Prerequisite: Must be enrolled in the Binghamton University Scholars Program.  
**General Education:** N - Social Science.

**Instructor Biography:**
Professor Morrissey teaches the core courses (Introductory Psychology, Statistics, Research Methods) in the Dept. of Psychology and also the Industrial/Organizational Psychology undergraduate seminar. Occasionally he teaches experimental courses ranging from Perception to Learning to Physiological Psychology. He is also in charge of coordinating the Dept. of Psychology undergraduate internship program with the University's Career Development Center. Professor Morrissey is the faculty advisor to Psi Chi, the national honor society for psychology majors. He is also faculty advisor to the Student Psychological Association (SPA), a student-run organization devoted to increasing career opportunities for all psychology majors as well as community service.
Innovation and the Modern World

Instructor: Professor John Fillo, Special Assistant to the Dean of Engineering, and former Professor and Chair Watson Biomedical Engineering
General Education: none
Credit Hours: 4

Course Description:
The course is designed to enhance student understanding of science and technology via technology history. The Industrial Revolution ushered in humanity’s first machine age, progress driven primarily by technological innovations; some would say that we are moving into or we are in the second machine age. The course looks at the fundamental characteristics of the first and second machine ages as well as their impact on politics and culture. Secondly, we explore the consequences of technological innovation on the current spread between labor productivity and employment. What are the implications for future employment, the type of jobs that the second machine age holds in store for us? Prerequisite: Must be enrolled in the Binghamton University Scholars Program.

Instructor Biography:
Dr. John Fillo joined the Watson School as professor and chairman of the Department of Mechanical and Industrial Engineering in August, 1984, from Brookhaven National Laboratory. There he was a mechanical engineer in the Department of Nuclear Energy and worked on engineering research of nuclear fusion reactor designs and other advanced energy systems. Prior to his position at Brookhaven, he taught at the University of Texas-El Paso and the University of Massachusetts, Amherst, in the departments of mechanical engineering. His thesis and dissertation dealt with heat transfer problems in magneto-hydrodynamics. Currently, Fillo is the associate dean for research and external affairs in the Watson School. Fillo’s main research interests include thermal fluid analysis, mathematical modeling, heat transfer in electronics and advanced technology.
**SCHL 280C: Modeled from the Earth: Global Cultures of Ceramics**

**Instructor:** Professor Nancy Um, Associate Professor of Art History  
**General Education:** A, G  
**Credit Hours:** 4

**Course Description:**
We will explore ceramic wares as key tools used to examine the past, drawing on the varied methods and preoccupations of archaeologists, art historians, and economic historians. The course will consider some of the earliest extant ceramic wares from Asia, the Mediterranean, and the Near East found in the archaeological context, with a consideration of what these remains can tell us about the development of ancient cultures and societies. We will also consider the emergence of porcelain technology in China and then its export and imitation around the world. Additionally, we will consider the rise of cross-cultural maritime trade since the year 1500, the emergence of social habits surrounding the consumption of beverages, such as tea and coffee, and the role of ceramic wares in practices of art collecting and display.

**Instructor Bio:**
Nancy Um joined the department of art history at Binghamton University in 2001, after receiving her PhD in art history from UCLA. Her research on the art, architecture, and visual culture of the Middle East, Asia, and the Indian Ocean has taken her to field sites, libraries, museums, and archives around the world. In her classes, she advocates for a hands-on approach to the study of art and architecture and is ardently committed to exploring new technologies in the classroom. She is the co-director of the Middle East and North Africa Studies Program at Binghamton University and serves as the Reviews Editor for the journal *The Art Bulletin*.

**Additional Information:**
The course will be supplemented by several hands-on components and activities outside of the classroom. Students will have the opportunity to work directly with clay, to study ceramic specimens in the University Art Museum, and to analyze ceramics using cutting edge equipment in the Materials Testing Laboratory on campus.
SCHL280D Technology and Impact of Solar Energy

Instructor: Professor Wayne E. Jones, Jr., Dept. of Chemistry
General Education: J – Joined Composition and Oral Communication
Credit Hours: 4

Course Description:
Advances in solar energy generation have begun to replace conventional fossil fuel energy sources. During the next five years, the costs of solar systems and other alternatives are expected to reach "grid parity" where they will compete economically with traditional sources of power. In this course, the technologies and the policies that led to these advances will be discussed. Students will consider the economic and environmental changes that will occur. Students will also have opportunities to test and work with recent advanced technologies developed on the Binghamton campus.

Instructor Biography:
Dr. Wayne Jones is professor and chair in the Department of Chemistry at the State University of New York at Binghamton (Binghamton University) where he has served in numerous leadership roles on the faculty for 20 years including as director of the Center for Learning and Teaching (1996-2008) and interim dean of Harpur College of Arts and Sciences (2012-2013). He received his BS from St. Michael’s College and his PhD in inorganic chemistry from the University of North Carolina at Chapel Hill. He completed post-doctoral work at the University of Texas at Austin before joining the faculty at Binghamton in 1993. His research and scholarship has been recognized internationally in the area of molecular wires and devices, including recognition as a Fellow of the American Chemical Society in 2010. He has published over 125 research articles, review chapters and patents in the areas of photoinduced electron and energy transfer in macromolecular systems including molecular wires, electrically and thermally conducting nanomaterials, photovoltaics in organic/inorganic hybrid materials, photocatalytic degradation of toxic agents and fluorescent conjugated polymer sensors. His research efforts have been supported by grants from the NIH, NSF, ACS-PRF and the DOD, as well as several industrial partners. His current collaborations include the Center for Autonomous Solar Power (CASP) and the Center for Advanced Microelectronics Manufacturing (CAMM).

Recipient of several teaching awards including the State University of New York Chancellor’s Award for Excellence in Teaching in 2001, his teaching interests involve long-term curriculum development in chemistry, including more expanded use of technology. He is on the editorial board of the Journal of Educational Technology Systems and serves on the Faculty Access to Computing Technologies committee for the State University of New York (SUNY). He has worked with interdisciplinary teams of scientists and non-scientists on curricular reforms with grant support from the National Science Foundation, Department of Education and the Howard Hughes Medical Institute. In 2008, he established the Go Green Institute, a program designed to inspire middle-school students to pursue careers in science and engineering. He has worked as an external evaluator on several nationally funded learning initiatives related to nanotechnology and student-centered learning, and served as a reviewer on higher-education accreditation teams at the department and institutional levels.
SCHL 280E Pact with the Devil: Faust in Film

Instructor: Professor Ingeborg Majer-O’Sickey, Associate Professor of German / Bartle Professor
General Education: A, C
Credit Hours: 4

Course Description:
Students spend the semester thinking about and analyzing representations of Faustian pacts with the devil. The course will put pressure on international film theory and praxis to explain diverse audience viewing practices as relates representations of the intersections of power, evil, and the psyche from a global perspective. As training we will use films that depict Faustian bargains by some of cinema’s greatest directors these last two centuries: Tim Burton (USA), Lilliana Cavani (Italy), Jim Jarmush (USA), F.W. Murnau (Germany), Roman Polanski (fugitive-at-large, France), Leni Riefenstahl (Germany), Stephen Spielberg (USA), Jan Svankmajer (Czech Republic), Istvàn Szabó (Hungary), Quentin Tarentino (USA), Luccino Visconti and Lina Wertmueller (both Italy).

Instructor Bio:
I am a native of Germany, though having lived in numerous countries, including Ecuador, Great Britain, Italy, Spain, Switzerland and the United States, I would describe myself as transnational. My first career was in fashion, and I worked as a high fashion model for some of the world’s most accomplished designers for over ten years.

My passion for literature drove me to switch careers from High Fashion to Academia. So in my thirties, I pursued a PhD in Comparative Literature, and wrote a dissertation on two famous 20th century writers and their oeuvre: Ingeborg Bachmann and Marguerite Yourcenar. My focus: the power and nature of language in literature. I continue to be fascinated by these and other writers and Filmmakers' struggles with what I've called "fascistic discourse."

Research into this field influenced my teaching of Holocaust literature and film. In fact, my course offering for the Scholars program, "Pact with the Devil: Faust in Film," this fall is a natural outgrowth from my work on Nazi Cinema. Having researched this topic for over 30 years now, I continue to deepen my understanding about motivates us humans to create marvelous works, enriching and destructive at once.

I come to BU one semester a year to teach, and the rest of the time I live with my husband Mike and our three Labrador retrievers on the beach in Crucita, Ecuador, where we enjoy beach combing, para sailing and deep sea diving.

Additional Information:
Course Goals
- Develop deep understanding of the foundation of the Faust theme, beginning with Spies’ Historia (1587) to Goethe’s Faust II (1832) as it morphs into a modern myth.
- Sharpen intellectual courage as you improve your writing skills in several genres (academic papers; critical review essays; popular reviews).
- Attain appropriate conceptual tools including vocabulary pertaining to fields of our inquiry (global cinema/media and communication; film and literary theories; social justice, gender and sexuality studies).
- Gain competence in writing and speaking about cinematic representations of evil as aesthetic practices from international / global perspectives.
- Develop intellectual self-discipline and confidence to become a responsible member of our scholarly community.
- Practice intellectual integrity and humility as group member.
- Make fairmindedness and critical thinking/viewing part of daily life habit.
SCHL 280G: *On Wolves and Myths*

**Instructor:** Professor George Catalano, Professor of Bioengineering  
**General Education:** H and J  
**Credit Hours:** 4

**Course Description:**

According to Thomas Dunlap, in *Saving America’s Wildlife*, “Myths are shorthand, the things that we never learned but we all know. Every culture has its own set and conspicuous among them are the ones explaining the natural world and mankind’s relations to it.” We shall explore the myths of science in the West that have signaled our sense of Nature from the Middle Ages, through the Renaissance and the Age of Reason up to the modern quantum era. Additionally, we shall consider possible new myths at the start of the new millennium such as the science of chaos and speculate about the impact of such a paradigm upon our understanding of Nature. Throughout this journey, we shall focus upon not only the myths but also the resultant impacts on our sense of ethical responsibility towards the natural world. The history of our attitudes towards the wolf will serve, as the focal point for the exploration for no animal at least in the West has been more vilified or glorified.

**Instructor Biography:**

Dr. George Catalano received his Ph.D in Aerospace Engineering from the University of Virginia. He is currently Professor of Bioengineering and Faculty Master of the Apartment Communities at Binghamton University. He is the former Director of the Binghamton University Scholars Program. Dr. Catalano is the author or coauthor of several books including *Engineering and Society: Working Towards Social Justice*, *Engineering Ethics: Peace, Justice, and the Earth* (2006) and *Engineering, Poverty, and the Earth* (2007). He has been a professor at the US Military Academy, the Air Force Institute of Technology and others. He served as a Captain in the US Air Force and as a NASA Fellow. Dr. Catalano has over thirty archival journal articles in engineering science, engineering education and ethics, more than 80 reviewed conference proceedings, and over one hundred national and international conference presentations. He has served as Principal Investigator on over $900,000 in funding, primarily from U.S. government agencies.
SCHL 280H Peace, A Historical Perspective

Course Instructor: George Catalano, Professor of Bioengineering
General Education: H, J
Credit Hours: 4

Course Description:
Peace. What is peace? Can we ever attain it? How do we teach about it? Is war inevitable? Justified? Such questions have been discussed by many and in many different forums. Our semester’s journey will explore the concept of peace both from an academic and a very personal perspective. In the first half of the course, we will read what many of the greatest minds and activists have had to say about peace. In the second half, we will consider the very personal perspective of those who are asked to fight and die...the soldiers. I am a soldier, having served during the Vietnam War era. War is very personal to me. In addition, more than simply reading and talking about peace, we as a community will try to take a small step towards peace through service to a non-profit agency, the Rescue Mission, here in Binghamton dedicated to ameliorating the plight of homeless many of whom are veterans.

Instructor Bio:
Dr. George Catalano received his Ph.D in Aerospace Engineering from the University of Virginia. He is currently Professor of Bioengineering and former Faculty Master of the Apartment Communities at Binghamton University. He is the former Director of the Binghamton University Scholars Program.. Dr. Catalano is the author or coauthor of several books including Engineering and Society: Working Towards Social Justice, Engineering Ethics: Peace, Justice, and the Earth (2006) and Engineering, Poverty, and the Earth (2007). He has been a professor at the US Military Academy, the Air Force Institute of Technology and others. He served as a Captain in the US Air Force and as a NASA Fellow. Dr. Catalano has over thirty archival journal articles in engineering science, engineering education and ethics, more than 80 reviewed conference proceedings, and over one hundred national and international conference presentations. He has served as Principal Investigator on over $900,000 in funding, primarily from U.S. government agencies.
SCHL280I  International Business: A Case Study in Higher Education

Instructor: Anna Addonisio, Senior Associate Dean of Harpur College
General Education: O – Oral Communication
Credit Hours: 4

Course Description:
This course is designed to analyze and discuss cultural differences among nations and within nations along with the challenges these differences create for international business. Students will analyze the benefits and costs of different national strategies by using the case study method, and will be able to critique political and economic systems encountered by international entities. Students will collaborate, analyze, and prepare a case study of an international university challenged by changing financial structures and struggling with a climate of declining government support, increasing enrollment and institutional priorities. Facts and information will be cataloged in a chronological manner, which will vividly describe the reality of the university’s current situation and cultural climate. Small teams will subsequently analyze and discuss current issues relating to globalization of markets and the direct/indirect effects for businesses, workers, communities, and national policy. The teams will serve as consultants to an international university, developing strategic solutions in an ever-changing economic and cultural climate. Prerequisite: Binghamton University Scholar.

Additional Information:
Scholar students will prepare a case study of Mykolas Romeris University (MRU). MRU is an international university in Northern Europe recently challenged by its changing financial structure and like most US public universities is struggling with a climate of declining government support and challenged by increasing enrollment and its prioritization of entrepreneurship across the disciplines. Students will serve as consultants to MRU, developing strategic solutions; basically a “road map” to MRU achieving its goals in the ever-changing economic and cultural climate in Lithuania.

Instructor Biography:
As the Senior Associate Dean for Administration, Dean Addonisio manages the fiscal and administrative functions of a college of 26 departments, 14 programs, over 300 tenure/tenure track faculty, and 200 non-tenure faculty. She directly supervises five professional staff, three support staff, and indirectly supervises over 110 college-wide support staff. Harpur College’s student body consists of 8,156 undergraduate majors, and 1096 graduate majors including PhD students. Responsibilities include collaboration with the department chairs in developing curricular planning for the next academic year, college wide support staff training, managing all aspects of faculty support including reviewing faculty promotion and tenure cases, faculty leaves, and faculty/adjunct appointments. As the fiscal custodian, Dean Addonisio, along with her staff, manage the finances for the entire college and allocate resources based of departmental curricular plans and faculty recruitment, and in conjunction with the Dean's and Department Chairs, develop our faculty-hiring plan and programmatic resource needs. She is currently working with three committees in campus building planning, the Science buildings renovations, and the new Smart Energy Building. She is trained in incident management and is the campus’ academic representative on the campus Incident Management Team (IMT). As an adjunct faculty in the School of Management, Dean Addonisio has taught at both the undergraduate and graduate level in areas of Financial and Managerial Accounting.
**SCHL 280J Who Owns the Past? A Perspective on Archaeology, Cultural Heritage and Global Conflicts**

**Instructor:** Sébastien LaCombe, Research Assistant Professor, Department of Anthropology  
**General Education:** N, G  
**Credit Hours:** 4

**Course Description:**  
From the Paleolithic paintings of Lascaux to the ruins of Palmyra, and the Elgin marbles to the Getty Museum, this course investigates the intricate relationship between the past and the present through archaeology, cultural heritage, and global conflict. Archaeological artifacts and heritage sites are increasingly becoming focus points in cultural, economic, and religious conflicts, and questionable practices around the globe. However, accepting that history matters, how do certain histories come to be mobilized in particular ways, and by or for whom? Through close study of relevant archaeological and heritage sites and artifacts, you will engage in a critical approach to the current scholarly, public, and increasingly political debates about history, archaeology, and cultural heritage around the world, particularly in light of present-day conflicts. Prerequisites: enrolled in the Binghamton University Scholars Program, SCHL127.

**Instructor Bio:**  
Prof. Sébastien Lacombe is an archaeologist specialized in the Late Stone Age of Western Europe. His research on prehistoric raw material procurement and stone tools manufacture led him to study collections in Europe, central Asia, and North and South America. His extensive experience in Cultural Resource Management fostered his interest in the practices and policies regarding cultural heritage and antiquities around the world. He is currently co-directing an excavation project of a Late Paleolithic settlement in Southwestern France; a project that is hosting a summer field school under the auspices of the Office of International Programs at Binghamton University. When he is not crawling inside Paleolithic decorated caves, Prof. Lacombe enjoys teaching rugby as an assistant coach for the Binghamton Rugby team.