Binghamton University Scholars Program

Professor William Ziegler, Executive Director

http://binghamton.edu/scholars/

Fall 2013 Course Offerings

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I. Course requirements for current Students

A. Course requirements for current freshmen (will be sophomores Fall 2013)

Fall 2013:  
All current Scholars freshmen MUST enroll in and successfully complete a section of SCHL280 during the Fall 2013 semester unless you receive written permission to do otherwise from Professor Ziegler.

Spring 2014:  
All current Scholars freshmen MUST enroll in and successfully complete SCHL227 during the Spring 2014 semester unless you receive written permission to do otherwise from Professor Ziegler.

B. Course requirements for current sophomores (will be juniors Fall 2013)

It is expected that all Scholars juniors will enroll in and complete SCHL327 – Scholars III prior to their senior year.

C. Course requirements for current juniors (will be seniors Fall 2013)

It is expected that all Scholars seniors will enroll in and complete SCHL427 – Scholars IV

II. Fall 2013 Course Offerings

A. SCHL127 Thinking Like Leonardo DaVinci

Instructor: Peter Nardone, Assistant Director Binghamton University Scholars and New Student Programs

Days/Times:
- MW – 12pm – 1pm
- Section 1 – C4 MPR 114 Room E
- Section 2 – C4 MPR 114 Room D
- TR – 11:40am – 1:05pm
- Section 1 – C4 MPR 114 Room B
- Section 2 – C4 MPR 114 Room C

Gen-ed: none
Credit Hours: 2

Course Description:
Incoming Binghamton Scholars will learn and develop strategies for tackling challenges both timely and timeless, including open-ended problem solving, critical and creative thinking, self-expression, goal setting and balancing competing interests. As a model for developing Scholars, the principles described by Leonardo da Vinci shall be studied, discussed and practiced in a student-centered learning environment. Additionally, this course will assist new students in making a successful transition to university life including an introduction to University resources that will be of benefit throughout the time that Scholars spend at Binghamton University. Students must attend the annual Scholars Poster Event as observers, but will not actively participate. Open only to students enrolled in the Binghamton University Scholars Program.

Leonardo DaVinci - painter, sculptor, architect, musician, scientist, mathematician, engineer, inventor, anatomist, geologist, cartographer, botanist, and writer. From artwork such as the Mona
Lisa, The Last Supper, and Vitruvian Man to inventions such as the helicopter, the parachute, and the catapult; there is something about DaVinci that every Scholar can relate to, appreciate, and learn from.

**Instructor Biography:**
Greetings everyone! My name is Pete Nardone, and I am the Assistant Director for New Student Programs, President's Scholars and the Binghamton University Scholars Program. I am a graduate of Binghamton University receiving my B.A. in Psychology (05) and MSW (07). Prior to my current role, I worked as a Resident Director and Community Director for Residential Life from 2007-11. I currently am the instructor for Scholars 127 and 227. I also am an instructor for other courses on campus including HDEV 105 and HARP 101. I simply love working with students. Whether it's at New Student Orientation, events on campus or simply my day to day work, I truly appreciate all the diverse and innovative ideas our campus community brings! Outside of work, my hobbies include running, hiking, photography, cycling, outdoor pursuits and playing sports. If you ever see me on campus make sure to stop and say hi!

**B. SCHL227 Leadership, Project Management, and Service**
Instructor:
Milton Chester, Assistant Dean of Students and Director of the Office of Student Conduct
Days/Times: Tuesdays, 4:25-5:25
Location: TU/IR 205
Gen-ed: none
Credit Hours: 2

This course will enable Scholars to develop their leadership, project management, and teamwork skills while planning, leading and participating in a service-learning project. SCHL227 typically requires an off-campus time commitment to a service project, a formal presentation and participation in the annual Scholars Poster Event. A minimum of 30 hours outside of the classroom are required.

**NOTE:** This particular section of SCHL227 should be taken by Scholars who will be juniors and seniors in fall 2013 and who have not completed this requirement. For freshmen and sophomores, multiple sections of SCHL227 will offered in the spring 2014 semester.

**Instructor Biography:**
Milton Chester is Assistant Dean of Students and Director of the Office of Student Conduct. He came to Binghamton University in 2000 as Director of Judicial Affairs, and in 2008, he was promoted to his current position. Mr. Chester has been a longtime instructor in the Binghamton University Scholars Program.

**C. SCHL280 COURSES**
Six sections of SCHL 280 will be offered in Fall 13 and another 5 sections will be offered in Spring 14.

<table>
<thead>
<tr>
<th>SCHL280 courses offered Fall 13</th>
<th>Gen-Ed Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCHL280A Wolves and Myths</td>
<td>H and J</td>
</tr>
<tr>
<td>SCHL280B The Way of Happiness</td>
<td>S (will not initially appear on BUBRAIN as S)</td>
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<tr>
<td>SCHL280C Dante's Inferno</td>
<td>H</td>
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<tr>
<td>SCHL280D Technology and Impact of Solar Energy</td>
<td>J</td>
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<tr>
<td>SCHL280E Food Nature and Culture</td>
<td>G &amp; J</td>
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<td>SCHL280H Encounter with the Other</td>
<td>G</td>
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**SCHL280A: On Wolves and Myths**

Instructor: Professor George Catalano, Professor of Bioengineering, and Faculty Master – Apartment Communities  
Days/Times: T/Th 1:15 to 2:40  
Location: SW326  
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.

**SCHL280B The Way of Happiness**

Instructor: Dr. Donald Glauber,  
Days/Times: W 12:00 – 3:00pm  
Location: TU/IR 205 (CIW Library Room 205)  
General Education: S  
Credit Hours: 4  

**Course Description:**  
Finding and creating purpose and satisfaction in this complex, stressful and often, disorienting world will constitute the central focus of this seminar. We will explore readings from Eastern and Western philosophies, existential philosophy/literature/psychologies, Jungian archetypal psychology and some recent theories of humanistic and positive psychologies. We will also study the relevance and value of these teachings to our efforts to create meaningful and satisfying lives for ourselves in the fast paced, technologically complex 21st century. We will also explore introductory mind/body techniques and practices such as Buddhist meditation, Yoga, Chigong and creative journaling. This
class will require reading a variety of texts and articles as well as academic and self-reflective writing assignments. Prerequisites: SCHL127 or permission of Executive Director

Instructor Biography:
Donald Glauber, Ph.D.  BA in Philosophy from Binghamton Univ. 1978,  MA in Philosophy and Religion from Colgate University 1982,  Ph.D. in Counseling Psychology from Albany University 1986. Staff Psychologist at the BU University Counseling Center from 1987 to 2010. Taught a variety of undergrad and graduate classes for BU School of Human Development between 1994 and 2007. Has conducted a private practice in psychotherapy from 1987 through the present. Practices meditation since 1975 and yoga since 2000. Certified as Yoga Teacher in 2008 and has taught Wellness Through Yoga in BU Health and Wellness Studies for past 10 semesters. Developing a clinical synthesis of Yoga and psychotherapy called: Archetypal Yoga therapy. Over past two years, has lead workshops in Thai Partner Yoga (Nuad Boran)a Thai Medical Practice, as fundraisers for Save the Elephant Foundation and in his role as Elephant Ambassador for Elephant Nature Park, an Asian Elephant sanctuary in Chiang Mai, Thailand.

SCHL 280C Dante’s Inferno

Instructor: Professor Dana Stewart, Associate Professor of Italian, Dept. of Romance Languages, Acting Director of CEMERS
Days/Times: T/Th, 6:00-7:25pm
Location: SW328
General Education: H
Credit Hours: 4

Course Description:
Literary masterpiece, cultural icon, and a great story, Dante's INFERNO has captivated readers for centuries with its graphic depictions of punishment, its harsh perspective on the afterlife, its excoriation of leading political and religious figures, and its presentation of the rich tapestry of medieval life. This course will offer an in-depth study of Dante's text, as well as a consideration of some of Dante's primary sources, including Virgil's AENEID and Augustine¿s CONFessions. Students who have studied Dante before, as well as those who have not, are welcome. Requirements: two oral reports, two papers, active participation, and a creative project. FORMAT: Classes will consist of a combination of lecture, discussion, student oral reports, and peer review of student work. A substantial portion of our time will be dedicated to the development of written and oral communication skills. In particular, each student will be responsible for two oral presentations, two research papers, and extensive peer-reviewing. TEXTS (available at the Campus Bookstore and Mando Books): Dante¿s Inferno, translated by Allen Mandelbaum Virgil¿s Aeneid, translated by Jackson Knight Augustin¿s Confessions, transl. R. S. Pine-Coffin Dante¿s Inferno, adapted by Sandow Birk/Marcus Sanders recommended)

Instructor Biography:
Dana Stewart earned her BA in French at the University of Southern California and her MA and PhD in Italian at Stanford University, where she specialized in medieval literature, and had the pleasure of carrying out research in Florence and Rome while on a Fulbright Fellowship. She has published on Dante, Petrarch, and other medieval French and Italian writers, and is particularly interested in the intersections between medieval literature and science. At BU she is very active in the Center for Medieval and Renaissance Studies (CEMERS), and is head of CEMERS publications, including their award-winning Medieval Studies journal, Mediaevalia. In her spare time, she fronts a rock/blues band that performs across the Southern Tier and that currently has several songs on internet radio. (http://voodoohighwayband.com/)
**SCHL280D: Technology and the Impact of Solar Energy**

Instructor: Professor Roger Westgate, Vice Provost and Professor of Electrical & Computer Engineering, Director of the Binghamton University Center for Autonomous Solar Power  
Days/Times: T/Th 2:50-4:15  
Location: SW330  
Gen-ed: J  
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 are expected to reach "grid parity" where they will compete economically with other sources including wind and nuclear 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. They will also have an opportunity to work with actual solar photovoltaic and solar thermal systems.

**Instructor Biography:**  
Dr. Charles R. Westgate received his Ph.D. from Princeton University. He is currently Director of the Binghamton University Center for Autonomous Solar Power, Vice Provost for Compliance, and Bartle Professor at Binghamton University. He is the former Dean of the Thomas J. Watson School of Engineering and Applied Science at BU. Dr. Westgate is currently Professor Emeritus at Johns Hopkins University where he served as professor, associate dean for part-time programs in engineering, associate dean for academic affairs, department chair and interim dean of engineering.

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Instructor: Professor Dale Tomich, Professor of Sociology  
Days/Time: Tuesday and Thursday 11:40-1:05  
Location: FA225  
Gen-ed: G and J  
Credit Hours: 4

The food human beings eat is perhaps the most direct expression of their natural being and dependence on nature. Yet what humans eat and how they eat it is profoundly linked to culture and history. Through a treatment of selected food products (e.g. wheat, rice, maize, sugar coffee, tea) this course examines the formation of a world economy over the past 500 years. It seeks to understand how changes in the production, distribution and consumption of food, organized through the formation of integrated world markets, have affected environment, social organization, and cultural meanings and created global interdependencies.

**Instructor Biography:**  
Dr. Dale Tomich is Professor of Sociology and History. He has written extensively on world-economy, Atlantic slavery, and plantation agriculture in the Americas. He has been visiting professor at various universities, including the graduate program in social anthropology at Brazil's National Museum, in the history departments at Princeton University, the University of Paris, and the University of São Paulo, and in development studies at the University of California Berkeley,
SCHL280H: The Encounter with the “Other”: Europe and the New World in the Renaissance

Instructor: Dr. Andrew R. Walkling, Dean's Assistant Professor of Early Modern Studies
Days/Time: M/W 3:30-4:55
Location: TU/IR 205 (College in the Woods Library room 205)
Gen-ed: G
Credit Hours: 4

Course Description:
This course consists of an exploration of the effects of the European "discovery" of the New World from the late 15th to the mid-17th centuries. We will look at contemporary accounts of New World exploration and chronicles of the meeting of Old and New World cultures, recent theoretical examinations of the encounter and its long-term consequences from literary, anthropological, and sociological perspectives, and texts illustrating the impact of the encounter on European thought and culture in the age of the Renaissance.

Instructor Biography:
Andrew Walkling is Dean's Assistant Professor of Early Modern Studies. He received his Ph.D. in British History from Cornell University in 1997, and joined the Binghamton faculty in 2001 with a joint appointment to the Departments of Art History, English, and Theatre. His research and teaching interests focus on early modern England, with an emphasis on the English court and courtly cultural production in the late seventeenth century, and are situated within and among several disciplines, including history, visual culture, literary studies, performance studies, and musicology. In particular, he is an expert on seventeenth-century English musical theatre and on the composer Henry Purcell. His work explores early modern cultural materials from an interdisciplinary perspective, seeking to rethink the configurations and interrelationships of conventionally separate genres—visual, dramatic, literary, musical—and to understand them as part of a wider "textuality" deployed in the construction and dissemination of seventeenth-century absolutism. He is currently working on a monograph entitled Masque and Opera in Restoration England, and is co-editor of a revised edition of Matthew Locke's Cupid and Death (1653/1659), to be published in the "Musica Britannica" series. He is also active as a Baroque 'cellist, and directs the Binghamton Baroque Ensemble.

D. SCHOLARS III
SCHL327 Worlds of Experience

All Scholars expecting to complete the Scholars III requirements during the Fall 2013 semester must register for SCHL327 and complete a Scholars III Application before registering (available online http://binghamton.edu/scholars/ click on Scholars III Application)

SCHL327 is a zero credit course. Scholars MUST register for SCHL327 in the semester in which he/she will complete the requirements for Scholars III. 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. An application for Scholars III is required, is available on the Scholars Program website, and must be submitted to the Scholars Office prior to starting the activity. The application must be resubmitted in the same semester in which the Scholar registers for SCHL327 upon completion of the Scholars III activity

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 by the
Scholars Director in advance, and the activity must be supervised. Scholars III requirements can be
achieved through a variety of experiential education activities including internships, study abroad,
research, lab experience, clinical experience, independent study and other activities as described in the
Scholars Handbook. For students in SOM, DSON, and Watson (Engineering programs only), the
Scholars III requirements are primarily met by specific degree requirements. Additional, all students,
including those listed in the programs above are required to submit a resume that has been reviewed by
the Career Development Center and to participate actively in the annual Scholars Poster Event. Details
of the requirements can be found in the Scholars Handbook (online).

E. SCHL391 Scholars Teaching Practicum
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

F. SCHL397 Scholars Independent Study
Independent study supervised by an instructor approved by the Scholars Executive Director. Permission
of Professor Ziegler, Executive Director required.

G. SCHL427 SCHOLARS IV Capstone

All Scholars expecting to complete the Scholars IV requirements during the Fall 2013 semester must
register for SCHL427 and complete a Scholars IV Application before registering (available online
http://binghamton.edu/scholars/ click on Scholars IV Application).

SCHL427 is a zero credit course (SCHL427). 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.
An application for Scholars IV is required and must be submitted to the Scholars Office prior
to starting (where applicable) the activity. The application must be resubmitted 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 Scholars
IV requirement can be completed in one of six ways: department honors, double major, double
degree, capstone research or project (requires a 50 hour commitment), capstone course (400 level or
above) within your major department that is not a major requirement, or a capstone course (400 level
or above) within your major department that is a requirement of the major and an additional 30
hours of work with the instructor of the course. For students in SOM, DSON, and Watson (Engineering
programs only), the Scholars IV requirements are primarily met by specific degree requirements.
Participation in the annual Scholars Poster Event to display your Scholars IV activity is strongly
encouraged, but optional unless participation in the Scholars III Poster Event was not fulfilled.
Scholars IV requirements are fully described in the Scholars Handbook (online).
III. \textit{Summer and Winter Sessions:}

Because the Binghamton University Scholars Program is much more than a collection of courses, no Scholars courses will be offered during Summer or Winter session. The mission and goals of the Scholars Program can only be met when Scholars work closely together in a community of Scholars, and that is not possible in a distance education setting.

IV. \textit{Priority Registration for Scholars: Fall 2013}

Binghamton University Scholars add 24 credit hours to the total number of credit hours completed at the time you will register to determine registration time. Only count the courses you have completed, not any courses you are currently taking (and then add 24). The two values in the third column of the following table represent the range of credit hours completed (add 24 for Scholars).

\begin{center}
\begin{tabular}{|c|c|c|}
\hline
Date & Time & Range of Credit Hours \\
\hline
4/8/2013 & 900 AM & 129_999 \\
4/8/2013 & 100 PM & 124_128 \\
4/9/2013 & 900 AM & 120_123 \\
4/9/2013 & 100 PM & 116_119 \\
4/10/2013 & 900 AM & 112_115 \\
4/10/2013 & 100 PM & 109_111 \\
4/11/2013 & 900 AM & 104_108 \\
4/11/2013 & 100 PM & 99_103 \\
4/12/2013 & 900 AM & 94_98 \\
4/12/2013 & 100 PM & 90_93 \\
4/15/2013 & 900 AM & 85_89 \\
4/15/2013 & 100 PM & 82_84 \\
4/16/2013 & 900 AM & 79_81 \\
4/16/2013 & 100 PM & 75_78 \\
4/17/2013 & 900 AM & 71_74 \\
4/17/2013 & 100 PM & 67_70 \\
4/18/2013 & 900 AM & 63_66 \\
4/18/2013 & 100 PM & 59_62 \\
4/19/2013 & 900 AM & 55_58 \\
4/19/2013 & 100 PM & 51_54 \\
4/22/2013 & 900 AM & 48_50 \\
4/22/2013 & 100 PM & 44_47 \\
4/23/2013 & 900 AM & 40_43 \\
4/23/2013 & 100 PM & 35_39 \\
4/24/2013 & 900 AM & 30_34 \\
4/24/2013 & 100 PM & 25_29 \\
4/25/2013 & 900 AM & 20_24 \\
4/25/2013 & 100 PM & 16_19 \\
4/26/2013 & 900 AM & 8_15 \\
4/26/2013 & 100 PM & 0_7 \\
\hline
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