Binghamton University Scholars Program
Course Offerings

**Winter Session 2012**

**Spring 2012**

**Summer 2012**

Professor William Ziegler, Director

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**Registration Priority:**

Scholars add 24 credit hours to the total number of credit hours you have completed to determine your group. Only count the courses you have completed, not any courses you are currently taking. The two values under Credit Hours Completed represent the range of credit hours completed (or credit hours completed plus 24 for Scholars).

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URGENT NOTE: PLANNING FOR Scholars Courses

Freshmen: All Scholars freshmen MUST enroll in and successfully complete SCHL227 during the Spring semester.

Sophomores, Juniors and Seniors: It is expected that all Scholars upperclassmen will enroll in and complete both SCHL280 requirements prior to your senior year.

Beginning in the 2012-13 academic year, the number of SCHL280 sections will be limited due to the lower enrollments of students in the Scholars Program.

Fall Semester: 2012 Only one or two SCHL280 courses will be offered in the Fall semester
Spring Semester 2013: Only 2 or 3 SCHL280 courses will be offered in the Spring semester
Winter and Summer sessions: SCHL280 course offerings are never guaranteed in these sessions and depend on instructor availability, enrollments, and other circumstances.

Courses in Brief (details follow):

Winter 2011-12 Session
Distance Education Course (can be taken from any location with Internet access):
SCHL 280A: Wolves and Myths; Gen-ed: H and C for Winter Session (H and J when offered Spr/ Fall)

Distance Education Course (can be taken from any location with Internet access):
SCHL 280B, Marriage, Divorce and Children's Adjustment; Gen-ed: C

Spring 2012
SCHL227 -01 Leadership and Achieving Goals – Gen-ed: none
SCHL227 -02 Leadership and Achieving Goals – Gen-ed: none
SCHL227- 03 Leadership and Achieving Goals - Gen-ed: none

SCHL 280C: Science and Politics of Climate Change; Gen-ed: C and G
SCHL 280H: Philanthropy and Civil Society; Gen-ed: J
SCHL 280G: Urban Planning – policy, economic, legal and environmental perspectives; Gen-ed: O

Summer 2012 Session (Term I: May 29- June 29)
Distance Education Course (can be taken from any location with Internet access):
SCHL280A Peaceable Kingdom - Why Animals Matter; Gen-ed: C and H
Winter 2012 Scholars Courses

SCHL280A: On Wolves and Myths

Distance Education Course (may be taken from any location with Internet access).
Instructor: Professor George Catalano
General Education: H and C for Winter Session (H and J when offered Spring/Fall)
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 Professor of Mechanical Engineering at Binghamton University. He is the former Director of the Binghamton University Scholars Program at BU. 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: Marriage, Divorce and Children’s Adjustment

Distance Education Course: (may be taken from any location with Internet access).
Instructor: Dr. Elizabeth Carter
General Education: C
Credit Hours: 4

Course description:
Course covers theories of intimate relationships, transitions to marriage and parenthood, divorce and remarriage and child adjustment during and after divorce. Essays will be shared amongst students for peer review and will then be submitted to the instructor for review. The process will provide students with several opportunities for revising their essays. The first draft will be worth 10% of the grade, second draft 15% of the grade and the final paper will be worth 25% of the grade for a total of 50% of the grade.

Instructor Biography:
Dr. Elizabeth Carter is the former Interim Director of the Binghamton University Scholars Program. She currently oversees the following departments at Binghamton University:

- International Student Scholars Services
- Services for Students with Disabilities
- Discovery
- New Student Programs (orientation)
- Center for Civic Engagement
- TRIO – Upward Bound, Student Support Services, Veterans Services
- Educational Opportunity Program
- Transfer Student Initiative
Spring 2012 Scholars Courses

**SCHL280 G: Urban Planning – policy, economic, legal and environmental perspectives.**

Instructor: BU Vice President Brian Rose, Esq.
General Education: O
4 credit hours
Class Schedule: MWF 12-1pm
Class Location: Chenango Champlain College Center – Multipurpose Room

Course Description:
This course will take a problem solving approach to provide context to the challenges of long-range planning. The students and instructor will undertake a study of the future parking needs on the Binghamton University campus. Individual students or small teams of students will assume responsibility to investigate different aspects of developing a parking / transportation master plan for the campus. We will model projected parking supply and demand; we will consider different designs (surface lots, decks, etc) to meet demand; we will evaluate the financial feasibility of different designs / strategies; review union contracts and other potential policy / legal obstacles to adopting a design / strategy; consider environmental and financial impacts of different approaches and consider implications beyond campus boundaries. Teams will present their findings to the class and we will eventually synthesize the different presentations into a single analysis and report.

Instructor Biography:
Brian T. Rose, Esq. is Vice President for Student Affairs at Binghamton University. Prior to coming to Binghamton, he worked for sixteen years at Rutgers University in various roles within student affairs and institutional compliance. VP Rose began his professional career as a practicing attorney in the real estate department of the Philadelphia firm of Stradley, Ronon, Stevens & Young. He is a graduate of the University of Pennsylvania and of the Georgetown University Law Center. He has been engaged in major master planning projects at both Binghamton University and at Rutgers. Mr. Rose also spent seven years on the Zoning / Planning Boards of his former hometown of Metuchen, NJ. He is a member of the Society of College and University Planners (SCUP), among other professional memberships.

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**SCHL280H Philanthropy, Nonprofit Organizations and Civil Society**

Instructor: Professor David Campbell, CCPA Public Administration
Tuesdays, 1:15-4:15 pm
General Education: J - Joined Composition and Oral Communication
Credit Hours: 4

Course Description:
Scholars students will give away real money; $10,000 to the organization(s) chosen by the Scholars during the semester. If you had $10,000 to change the world, how would you spend it? In some ways, philanthropists ask this question every day. This course offers students the chance to reflect and act on the philanthropist’s question by making grants totaling $10,000 to nonprofit organizations in our community. From Andrew Carnegie’s commitment to build libraries in the early 20th century to Bill and Melinda Gates’ current efforts to eradicate disease in Africa, philanthropists have played an important role in the development of civil society. Yet many students are unfamiliar with philanthropy and the nonprofit organizations they fund. This course introduces students to philanthropy and the nonprofit sector by giving them a hands-on opportunity to become grant-makers. Students enrolled in the class will select an issue area for funding (such as the environment, youth services or immigration) and evaluate and recommend organizations to receive grants. Class members will decide collectively which organizations they will support. Course content will facilitate student grant-making decisions. Course topics include: Historic and current leaders in philanthropy and the nonprofit sector, the size and scope of the nonprofit sector, defining
community needs and philanthropy’s role in addressing them, and how leaders in philanthropy and nonprofit organizations collaborate to accomplish shared goals.

Instructor Biography:
David Campbell is Associate Professor and Chair of the Public Administration Department in the College of Community Affairs at Binghamton University, State University of New York. He teaches courses in nonprofit management and leadership, philanthropy and applied community-based research, among others. His research interests include nonprofit accountability, mergers and alliances among nonprofit organizations and the nonprofit sector’s response to the September 11th terrorist attacks. His articles have appeared or been accepted in publications such as Nonprofit Management and Leadership, The American Review of Public Administration, Administration in Social Work, Families in Society, The Journal of Public Affairs Education, Responsive Philanthropy, State of Philanthropy, 2006 and The Working Paper Series at Baruch College’s Center on Nonprofit Management. He has also made contributions to several edited volumes on nonprofit management.

In addition to his academic experience, he has held senior management positions in major nonprofit organizations in Cleveland and New York City. From 1999-2005, he served as Vice President for Programs at the Community Service Society of New York (www.cssny.org), a prominent New York City social welfare organization concerned with the challenges facing low-income New York City residents. He coordinated the organization’s response to the 9/11 attack, oversaw advocacy efforts in Albany and Washington on welfare reform and other issues and organized the agency’s strategy development process. Prior to that, he was Vice President of the Center for Families and Children, a Cleveland, OH multi-service, social service agency. He served for six years as an adjunct faculty member at Columbia University’s School of International and Public Affairs. He has also taught at the New School in New York City and with the Learning Institute for Nonprofit Organizations/University of Wisconsin Cooperative Extension.

David Campbell has provided consultation to organizations on a wide variety of topics, including merger assessment, strategic planning, retreat facilitation, board training and other issues. He holds a Ph.D. from Case Western Reserve University, a master’s degree from Yale University and is a Phi Beta Kappa graduate of Bates College.

SCHL 280C The Science and Politics of Climate Change and Global Warming

Instructor: Professor Peter Knuepfer, Environmental Studies
Monday and Wednesday; 3:30-4:55 pm
General Education: C - Composition, G - Global Interdependencies
Credit Hours: 4

Course Description:
Climate change and global warming—happening? Caused by people? This course explores the science behind the question and the politics behind the solutions—or lack thereof. How clear is the science, and how the science can/should/could does/does not drive policy. Readings and other material covered will include sections of the report of the Intergovernmental Panel on Climate Change; the film “An Inconvenient Truth” (about Al Gore and his presentation) along with commentaries pro and con; Bjorn Lomborg’s "Skeptical Environmentalist" with commentaries; two opposing novels, Michael Crichton's "State of Fear", Tom Pollock and Jack Seybold "The Rising: Journeys in the Wake of Global Warming"; selections from Tim Flannery’s “The Weather Makers”; and shorter selections as well as Web sites. We will evaluate scientific information and its uncertainty, see how people on all sides use uncertainty and certainty to support their positions, evaluate how the science is driving policy, and examine how Western development, coupled with its influence on the “lesser-developed” world, has led to the situation we currently face. Most of the course will involve seminar-style discussions of readings and film(s). Grading will be based on short written commentaries on the readings will be coupled with oral presentations, plus group projects with a written report.

Instructor Biography:
Professor Peter Knuepfer is Director of the Environmental Studies Program and an Associate Professor of Geology. He has taught at Binghamton for 25 years, principally in the branch of geology that deals with the processes and landforms that occur on the earth's surface (such as rivers and glaciers), as well as at introductory and advanced levels in environmental studies. His research has varied from studies of prehistoric earthquakes to analysis of prehistoric floods to studies of the impacts of glaciers in New York, including the effects of discharge of glacier meltwater on climate some 12,000 years ago.
SCHL 227: Leadership and Achieving Goals - (1 Credit Hour) Multiple Sections

SCHL227-01
Instructor: Aubrey Bertin
Day/Time: Mondays 12-1pm
Location: Chenango Champlain Collegiate Center General Purpose Room E
General Education: none
1 Credit Hour

SCHL227-02
Instructor: Milton Chester
Day/Time: Tuesdays; 4:25-5:25 pm
Gen-ed: none
1 Credit Hour

SCHL227-03
Instructor: Aubrey Bertin
Day/Time: Thursdays 11:40 am -12:40 pm
Location: Chenango Champlain Collegiate Center General Purpose Room D
Gen-ed: none
1 Credit Hour

Note: SCHL 227 is only offered in the Spring semester of each academic year. SCHL227 is not offered in the Fall semester.

Binghamton Scholars students will learn and develop powerful new strategies for tackling solving open-ended design problems. Solving design problems in a team format will enable students to develop both their leadership and teamwork skills. The development of both critical and creative thinking skills is addressed. A formal design methodology shall be introduced which consists of the following seven universal design principles:

- Acceptance
- Definition of the problem
- Analysis or breaking up the problem into smaller parts
- Brainstorming or ideation (i.e. searching for alternatives)
- Idea selection
- Idea implementation
- Evaluation of the solution

Students will work to identify, analyze, design, implement, and participate in a leadership service project. The project may involve activities that take place off campus. Each section of the course will work on separate projects. Projects are typically not announced until the first week of classes.

There will be two (2) oral presentations assigned. The first will describe the problem to be solved and the approach to be taken by the team. The second will occur at the end of the term and describe the implemented solution and evaluate the effectiveness of the result. In addition, a final report will be required which documents the entire experience.

Text: (optional)  

Instructor Biographies:
Aubrey Bertin is a graduate assistant for the Binghamton University Scholars Program. He is currently completing the requirements for the Masters of Business Administration (MBA) degree. He holds a BA in Cinema from Binghamton University and is a Resident Assistant in the Hillside Community at Binghamton University.

Milton Chester is Assistant Dean of Students and Director of Student Conduct at Binghamton University.
Summer 2012 Scholars Courses

Term I: May 29- June 29

**SCHL280A Peaceable Kingdom - Why Animals Matter**

Distance Education Course: (may be taken from any location with Internet access).
General Education: C and H
Credit Hours: 4

**Course Description:**
Peaceable Kingdom seeks to develop in students the ability to formulate informed views on one of the most controversial and contentious issues in the modern world, our relationship to the nonhuman world. Focusing on a subject which routinely captures the attention of the world press, the course will appeal to anyone interested in tracing the historical development of this subject and provide insight into the debate as it has developed. The following broad categories of this issue shall be considered:

- Theories of animal ethics
- Animals and myths
- Animal consciousness and animal pain
- Animals for food and factory farming
- The use of animals in the research laboratory
- Endangered species protection and restoration
- The ethics of zoos, aquariums and entertainment
- Animal companions
- Animal law

**Instructor Biography:**
Dr. George Catalano received his Ph.D in Aerospace Engineering from the University of Virginia. He is currently Professor of Bioengineering and Professor of Mechanical Engineering at Binghamton University. He is the former Director of the Binghamton University Scholars Program at BU. 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.