BGSU 1910 First Year Seminar, Fall 2015

WHY TAKE A 1910 SEMINAR?

Your first year at BGSU is an exciting time to engage and explore the opportunities available to you at Bowling Green State University. The BGSU 1910 First Year Seminar will allow you to engage academically in a small class setting. The class will help you in adapting to the academic expectations of college and how college is different from high school. You will have the chance to explore a topic you have not studied before, and to learn about it with a professor who is passionate about what he or she does. The small class setting makes it easier to ask questions and connect with your professor and other first-year students. You will also learn about the relevance of the topic outside the classroom and to the community. The class will also encourage you to explore several co-curricular events or activities to make the most of your BGSU experience.

BEFORE YOU COME TO SOAR (SUMMER REGISTRATION)......

Explore the attached list of BGSU 1910 topics and identify three or four that you find most interesting. Bring your list when you come to SOAR. Your SOAR advisor will help you in selecting which seminar to enroll in and answer any questions you have about the class.

Please see following pages for a list of the courses, followed by course descriptions and faculty biosketches

Updated: 5/21/2015
<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COURSE</th>
<th>FACULTY (Last Name)</th>
<th>SECTION</th>
<th>DAY</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>**Popular Culture, Folklore,</td>
<td>Batman and American Culture</td>
<td>Brown</td>
<td>1007</td>
<td>Monday</td>
<td>10:30-11:20</td>
</tr>
<tr>
<td>Contemporary Issues</td>
<td>Popular Culture in South India</td>
<td>Rudisill</td>
<td>1026</td>
<td>Tuesday</td>
<td>12:30-1:20</td>
</tr>
<tr>
<td></td>
<td>#BlackLivesMatter: From Moment to Movement</td>
<td>Edge</td>
<td>1009</td>
<td>Monday</td>
<td>3:30-4:20</td>
</tr>
<tr>
<td></td>
<td>Wearable History</td>
<td>Zengel</td>
<td>1021</td>
<td>Wednesday</td>
<td>6:00-8:00</td>
</tr>
<tr>
<td></td>
<td>The Secret Lives of Objects</td>
<td>Kleine</td>
<td>1002</td>
<td>Monday</td>
<td>2:30-3:20</td>
</tr>
<tr>
<td><strong>Movies, Media, and Storytelling</strong></td>
<td>Grimms' Tales in the Media</td>
<td>Foell</td>
<td>1077</td>
<td>Monday</td>
<td>6:00-8:00</td>
</tr>
<tr>
<td></td>
<td>How Movies Explain the World</td>
<td>Celli</td>
<td>1001</td>
<td>Wednesday</td>
<td>1:30-2:20</td>
</tr>
<tr>
<td></td>
<td>The Irresistible Power of Storytelling</td>
<td>Harris</td>
<td>1004</td>
<td>Monday</td>
<td>1:30-2:20</td>
</tr>
<tr>
<td>**Leadership, Values Exploration,</td>
<td>Exciting Careers in Management</td>
<td>Carr</td>
<td>1078</td>
<td>Monday</td>
<td>6:00-8:00</td>
</tr>
<tr>
<td>and Finding Your Purpose**</td>
<td>I'm a Falcon; Watch me Soar</td>
<td>Katzner</td>
<td>1056</td>
<td>Thursday</td>
<td>2:30-3:20</td>
</tr>
<tr>
<td></td>
<td>Leaders: Are They Born or Made</td>
<td>Boff</td>
<td>1029</td>
<td>Tuesday</td>
<td>6:00-6:50</td>
</tr>
<tr>
<td></td>
<td>Communicational Leadership: A Pathway to</td>
<td>Alday</td>
<td>1013</td>
<td>Monday</td>
<td>11:30-12:20</td>
</tr>
<tr>
<td></td>
<td>Success</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Creating Falcon Millionaires</td>
<td>Kern-Blystone</td>
<td>1054</td>
<td>Thursday</td>
<td>1:00-1:50</td>
</tr>
<tr>
<td></td>
<td>Work on Purpose</td>
<td>Rosser</td>
<td>1030</td>
<td>Monday</td>
<td>6:00-8:00</td>
</tr>
<tr>
<td></td>
<td>Work on Purpose</td>
<td>Valdez</td>
<td>1032</td>
<td>Thursday</td>
<td>6:00-8:00</td>
</tr>
<tr>
<td><strong>Sports and Games</strong></td>
<td>Magic and Math of Lotteries</td>
<td>Chen</td>
<td>1025</td>
<td>Tuesday</td>
<td>4:00-4:50</td>
</tr>
<tr>
<td></td>
<td>Moneyball Thinking: How a Statistician</td>
<td>Albert</td>
<td>1039</td>
<td>Wednesday</td>
<td>2:30-3:20</td>
</tr>
<tr>
<td></td>
<td>Reads the Sports Page</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Health, Wellness, and You!</td>
<td>Miller</td>
<td>1018</td>
<td>Monday</td>
<td>12:30-1:20</td>
</tr>
<tr>
<td><strong>Forensics</strong></td>
<td>What is Science: The Use of Evidence-</td>
<td>Gregory</td>
<td>1008</td>
<td>Monday</td>
<td>3:30-4:20</td>
</tr>
<tr>
<td></td>
<td>Based Inquiry To Make Inferences About</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>the Existence of Dragons?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Environment and Sustainability</strong></td>
<td>When the Water is Undrinkable</td>
<td>McKay &amp; Bullerjahn</td>
<td>1058</td>
<td>Thursday</td>
<td>4:00-4:50</td>
</tr>
<tr>
<td></td>
<td>A Way of Engaged Citizenship</td>
<td>Khorshidifard</td>
<td>1033</td>
<td>Wednesday</td>
<td>10:30-11:20</td>
</tr>
<tr>
<td></td>
<td>Is it Safe to Drink--How Can You Know?</td>
<td>Midden</td>
<td>1016</td>
<td>Thursday</td>
<td>4:00-4:50</td>
</tr>
</tbody>
</table>

Updated: 5/21/2015
<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COURSE</th>
<th>FACULTY (Last Name)</th>
<th>SECTION</th>
<th>DAY</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modeling and Creating</td>
<td>Establishing a Martian Society</td>
<td>Tiede</td>
<td>1003</td>
<td>Monday</td>
<td>9:30-10:20</td>
</tr>
<tr>
<td></td>
<td>The Reef Aquarium</td>
<td>Partin</td>
<td>1024</td>
<td>Tuesday</td>
<td>2:30-3:20</td>
</tr>
<tr>
<td></td>
<td>Molecules in 3D: Reflections on symmetry in art, life and chemistry</td>
<td>Klosterman</td>
<td>1023</td>
<td>Tuesday</td>
<td>2:30-3:20</td>
</tr>
<tr>
<td></td>
<td>Deep Impact: How Modeling Strategies are Changing How Students Learn Science</td>
<td>Huziak-Clark</td>
<td>1010</td>
<td>Wednesday</td>
<td>12:00-12:50</td>
</tr>
<tr>
<td>Controversies of the Day</td>
<td>To Vaccinate or Not to Vaccinate?</td>
<td>Underwood</td>
<td>1019</td>
<td>Monday</td>
<td>9:30-10:20</td>
</tr>
<tr>
<td>Wilderness and Outdoors</td>
<td>Freshman Wilderness Experience (FWE)</td>
<td>Langendorfer</td>
<td>1006</td>
<td>Monday</td>
<td>2:30-3:20</td>
</tr>
<tr>
<td>Global Connections</td>
<td>One World: Thinking, Surviving, and Thriving in the Age of Globalization</td>
<td>Richardson</td>
<td>1034</td>
<td>Wednesday</td>
<td>11:30-12:20</td>
</tr>
<tr>
<td>For Majors Only</td>
<td>Developing Cultural Competence</td>
<td>Booth &amp; O'Connor</td>
<td>1028 1042</td>
<td>Tuesday Wednesday</td>
<td>6:00-6:50 3:30-4:20</td>
</tr>
<tr>
<td>*Psychology Majors Only</td>
<td>You Are What You Post: The Psychology of Social Media</td>
<td>Zickar</td>
<td>1022</td>
<td>Monday</td>
<td>11:30-12:20</td>
</tr>
<tr>
<td>*Interior Design majors only</td>
<td>Observation, Exploration, Imagination: Using Problem-Solving and Critical Thinking Skills to Enhance Visual Literacy in Interior Design</td>
<td>Zappitelli</td>
<td>1020</td>
<td>Friday</td>
<td>9:30-11:15</td>
</tr>
</tbody>
</table>

Please see the following pages for detailed course descriptions and professor biosketches

Updated: 5/21/2015
**Course Descriptions and Biosketches**

**Popular Culture, Folklore, Contemporary Issues**

**Batman and American Culture (1007) Tuesday 10:30-11:20**

Batman has been around for over 75 years and is still one of the most popular and influential fictional characters worldwide. Batman has achieved enormous success no matter what medium he has appeared in: comic books, movies, live-action television, cartoons, toys, clothing, etc. By focusing on various versions of Batman, this course will explore how a single character can reveal and shape our cultural beliefs about such important issues as crime, morality, racial relations, gender and sexuality. The course will involve critical readings about Batman, as well as a range of primary texts including key comic book collections, films and television episodes, and a few forays into fan activities.

*Biosketch:* Dr. Jeffrey A. Brown has taught numerous courses about superheroes in American culture, both in comic books and in feature films. He is the author of four scholarly books, including "Black Superheroes: Milestone Comics and Their Fans," and the forthcoming "The Modern Superhero in Film and Television," as well as numerous academic articles about superheroes and comic books.

---

**Popular Culture in South India (1026) Tuesday 12:30-1:20**

Come learn about a land where most politicians are film stars, the government gives out free television sets, and more people have mobile phones than indoor toilets or refrigerators. This course is an introduction to the popular culture of the Tamil people in South India. This fascinating part of the Indian subcontinent shares much with the rest of the country, but has its own script and its own film industry (Kollywood) as well as its own performance, food (such as the dosa, a Tamil version of the crepe), literature, and family traditions. We will contextualize Tamil popular culture by looking at history, politics, folklore, and religion. The class includes interactive language, cooking, fashion (learn to tie and wear a sari or a lungi!), and dance lessons as well as connections to the local Indian community through participation in Indian student association and Hindu temple events. Additionally, students learn to analyze popular literature, television, and films and think critically and communicate effectively about them.

*Biosketch:* Dr. Kristen Rudisill has a Ph.D. in Asian Studies from the University of Texas, Austin and has spent three years conducting fieldwork in Tamilnadu, India. She has also worked with Tamil communities in the US, Canada, UK, and Singapore. She has been teaching Popular Culture and Asian Studies at Bowling Green State University since 2007 and has published widely on Tamil theater and dance, most recently on reality dance competitions.

---

**#BlackLivesMatter: From Moment to Movement (1009) Monday 3:30-4:20**

The recent activism surrounding the deaths of Mike Brown, Eric Garner, and others has revived important national debates around race, violence, and the criminal justice system in the 21st century. Commentators have already compared #BlackLivesMatter to other movements for social justice in American history, particularly the Civil Rights Movement of the 20th century.

*Updated: 5/21/2015*
century and the anti-lynching crusade from the 1890s through the 1930s. This course will examine the current movement and its larger historical context. Particular attention will be given to the history of racial critiques of law enforcement in the United States; the form and nature of current activism; questions of leadership in a grassroots movement; the role of social media and “hashtag activism” in creating #BlackLivesMatter; and the backlash against this movement in both traditional and social media.

**Biosketch:** Dr. Thomas Edge is an instructor in the Department of Ethnic Studies. He received his Ph.D. in Afro-American Studies from the University of Massachusetts-Amherst in 2008. His work centers on African American activism during the age of Jim Crow, definitions of Black leadership, and perceptions of race in the 21st century. Previously, Dr. Edge taught classes on the Black experience at Northwestern University, Trinity College, and Elms College.

**Wearable History (1021) Wednesday 6:00-8:00**
Do you love vintage clothing? Are you drawn to contemporary fashion with retro styling? This course identifies vintage clothing by era, why it belongs to that era, and how it influences modern fashion styles. You’ve never learned history like this. Wear your history on your sleeve! Students will study and analyze clothing samples from the university’s historic costume collection. Students are then encouraged to seek out vintage styles in multiple retail settings, research styles, and report their findings. A digital camera is required.

**Biosketch:** Marian Zengel has taught many courses in the Apparel Merchandising & Product Development program in the School of Family & Consumer Sciences since 2007. She currently teaches Textiles for Apparel, Fundamentals of Apparel, Twentieth Century Fashion, and Patternmaking. She has also worked as curator of the school’s historic costume collection. Her research interests include historic textiles and collecting vintage clothing.

**The Secret Lives of Objects (1002) Monday 2:30-3:20**
In this class, we’ll examine the hidden lives of ordinary brands, products and things and our consumer relationships to those objects. Inspired by *The Atlantic Monthly*’s Object Lessons web site, we’ll examine such things as the secret lives of yo-yo’s, Corn Flakes cereal, green slime, the meaning of baseball’s home plate, the role of the shipping container in the economy, or the McRib sandwich. Are we slaves to our possessions? How would life be different without remote controls, huge refrigerators, light switches, or glass? What is the meaning of the current trend of creating your own DIY objects and for-profit maker spaces? Each student will study an object of their choice and create a portfolio, blog, or electronic collection reflecting what they are learning in the class.

**Biosketch:** Dr. Susan Kleine is a faculty member in the College of Business, Department of Marketing as well as Associate Vice Provost. Her field of study in Consumer Behavior is aimed at understanding our relationships with material possessions and the impact on personal development and well-being.

**Movies, Media, and Storytelling**
**Grimms’ Tales in the Media (1077) Monday 6:00-8:00**

Updated: 5/21/2015
From Disney and Pixar to popular TV series, the fairytales collected by the Brothers Grimm two centuries ago are more popular than ever. But how much do these media adaptations have in common with the original versions? What is more helpful or harmful to children and young adults reading the tales: the often-bloody originals, or the sanitized, "happily ever after" narratives we see on screen? Starting with the newly-translated 1815 edition of the tales, this class will look at the Brothers Grimm as early folklorists, the diverse sources of the stories they collected, the pleasures and perils of narrative fiction, processes of cultural transmission including translation, the culture and psychology of American child-rearing, and the role of fantasy and "young adult" literature in literacy debates.

Biosketch: Dr. Kristie Foell grew up hearing Grimm's fairytales, then "set off to seek her fortune" as a scholar and teacher of German language and literature, which she studied at Yale and Berkeley. She has lived in Munich, Berlin, Vienna, and Salzburg, both as a Fulbright scholar and as director of BGSU's study abroad program. She teaches everything from beginning German to graduate seminars and has published on gender in film and literature.

How Movies Explain the World (1001) Wednesday 1:30-2:20
What makes an Italian film Italian, a French film French? Are Hollywood films really American? We will see how centralization, common language and narrative convention express the cultural heritages within the national cinemas of nine countries (China, Finland, France, India, Iran, Italy, Mexico, Ukraine, and the United States). The goal is to bring critical theory and artistic expression back into equilibrium with a method that demonstrates how popular cinema truly can explain the world, one country at a time.


The Irresistible Power of Storytelling (1004) Monday 1:30-2:20
The writer Reynolds Price tells us that “A need to tell and hear stories is essential to the species Homo sapiens—second in necessity apparently after nourishment and before love and shelter.” If Price is correct, humans are born with the need to tell and the desire to listen to stories. Why? What do the stories we relate and the stories we love tell us about ourselves, our culture, our wishes, and our dreams? Students will sample all forms of stories, from jokes, to tall tales, to folklore, to myth, to literary stories to discover what they have in common and how they differ.

Updated: 5/21/2015
Biosketch: Dr. Karen Harris earned her BA, MA, and Ph.D. in literature. She strongly believes that the stories we tell and the stories we listen to speak volumes about our humanity. They help us make sense out of a chaotic world, and they reflect our most deeply held needs and desires. She particularly likes teaching classes on the short story because short stories don’t require as much time to read as novels or plays and so allow time for deeper understanding of both structure and theme.

Leadership, Values Exploration, and Finding Your Purpose

Exciting Careers in Management (1078) Monday 6:00-8:00
Developing an appreciation for managing people and processes from a global perspective is an important part of achieving success in today’s business environment. This course is designed to introduce freshmen to the business areas of international business, management, and supply chain management.

Biosketch: Dr. Amelia Carr is a Professor and the Chair of the Department of Management. Prior to joining BGSU, she worked at the Ohio State University and at Georgia State University. Dr. Carr received her Ph.D. in Business Administration from Arizona State University with a specialization in Supply Chain Management. Dr. Carr served in the U.S. Army Transportation Corps. She has worked for a number of organizations in the private sector including the Center for Advanced Purchasing Studies, Tech Medical, Terry Manufacturing Company and Sterling Drugs, Inc. Dr. Carr has conducted research projects for Honda of America Manufacturing and the John Deere Company. She also has published in a number of academic journals and made scholarly presentations at professional conferences. She has traveled to countries in Europe, Asia, the Caribbean, and Mexico. She enjoys teaching and helping students to achieve their goals in employment and academics.

I’m a Falcon; Watch Me Soar (1056) Thursday 1:00-1:50
Now that you are a Falcon, how are you going to soar—how are you going to gain the maximum benefit from your college education? We will work together as a group to help each other come up with an answer. We will focus on the question: What is it about a college education that makes it valuable? We will discuss some of the choices college students face; and form groups to learn about different resources and activities on the campus and in the town that can help with the making of these choices. And as we go along you will keep a journal of your experiences and reactions to them for your final project—creating your Top Ten List of Things that Contribute to Success at BGSU along with a brief explanation of why each of the things on your list is important.

Biosketch: Dr. Lou Katzner joined the philosophy department at Bowling Green State University in 1969. He has studied the values that arise in human and social interactions in a variety of areas: medicine, law, politics, and the education of children. Lou served as an administrator for 13 years beginning in 1985. He was named Trustee Professor of Philosophy upon returning to teaching philosophy on a full-time basis in 1998.
You and your classmates will sort fact from fiction. You will use your investigative skills to sleuth answers to questions like: Is college a big, four-year party? Do I need to go Greek to make friends? Is dining hall food gross and unhealthy? Do I work best at the last minute, under pressure? Are professors easy to manipulate? Can social media be used for learning? Will my general education courses be boring? You will meet real-life survivors (upperclassmen, graduate students, professors, etc.). Through a variety of active-learning techniques you will explore answers to these and other questions. In addition, you will use popular technology to create a survival guide for next year’s Falcon freshmen.

Biosketch: This course will be co-taught by Drs. Mary-Jon Ludy and Amy Morgan. Dr. Ludy is a forever Falcon! She earned her BS from BGSU in 2002 and returned as faculty in 2011. Meanwhile, Dr. Ludy worked as an outpatient dietitian in Boston, interned with a Vitamin A program in Nepal, conducted HIV research in Thailand, and taught community development in Costa Rica. At BGSU, she teaches clinical nutrition courses and researches bioactive spices and weight management. Dr. Morgan joined the BGSU Exercise Science faculty in 2002 and is currently an Associate Dean in the College of Education and Human Development. She is a former college volleyball player and active cyclist who has been instrumental developing worksite wellness programs at BGSU. Dr. Morgan has led a study abroad course in China. Her research explores the impact of exercise on functional status and body composition in older adults.

Leaders: Are They Born or Made (1029) Tuesday 6:00-6:50
Examples of good and bad leaders are all around us—in the movies we watch, the music we listen to, the sports we follow, the political and religious leaders we observe. What is it about leaders that make others willing to follow them? Are people inherently born with the characteristics and traits that make them successful in leading others? Or are some of the most effective leaders taught certain skills along their path to enable them to influence others? In this course we will explore real life examples of leadership in action and examine the scholarly and popular discourse around this topic that has taken place over the last century. By understanding the different styles of leadership, we will be able to answer whether leaders are born or made as well as reflect upon our own leadership potential.

Biosketch: Colleen Boff is a Professor and Associate Dean of University Libraries. She is currently a part-time student in the Leadership Studies doctoral program here at BGSU and is working on her dissertation on leadership styles of academic library leaders. Her research interests include an exploration of leadership styles, organizational change, information literacy, the first-year experience in higher education and assessment of student learning outcomes.

Communicational Leadership: A Pathway to Success (1013) Monday 11:30-12:20
Do you have what it takes to be an effective leader? Do you want the top skills desired by employers? Through this seminar, you will learn about multiple forms of communication including oral, written, intrapersonal, interpersonal, public, mass and group and the techniques and roles communication plays in the development of strong leadership. You will gain hands on experiences in meeting agenda setting, proposals and presentations and will both observe and engage communication leadership within community settings. This seminar is designed to engage students in grasping the reasons for Communication as an area of study, what big questions or issues it addresses, and why someone might want to study it further.

Updated: 5/21/2015
Biosketch: Paul Wesley Alday is the Director of Forensics and Debate, a Lecturer in the School of Media and Communication/Department of Communication and a member of the Honors faculty. With 30 years of teaching experience and a MA from Eastern Michigan University, he teaches courses in Honors Public Speaking, Argumentation, Political Communication and Forensics Practicum. Paul’s pedagogical specialization is in Active Learning Environments and Adaptive Learning Styles. He is also a scenic and lighting designer with the Toledo Repertory Theatre and Perrysburg Performing Arts Academy. Under his direction, the Falcon Forensics & Debate Team has won over 30 State, National and Continental titles where the program is currently ranked in the top 10 nationally.

Creating Falcon Millionaires (1054) Thursday 1:00-1:50
Create a positive financial footprint as you begin, finish and move forward after BGSU. You have your room, your books and your meal plan for Fall Semester – maybe even Spring. Then what? Learn how to manage your money (scholarships, loans, jobs, etc.) and survive the financial responsibilities of the rest of your college life! Set yourself up for a solid financial future after graduation!

Biosketch: DJ Kern-Blystone is a Business & Marketing teacher and BGSU teacher-educator (30+ years’ experience); 10 years director of Center for Economic Education, NW Ohio/Ohio Council; co-authored Ohio Dept. of Ed. financial literacy standards grades K-12; co-authored curriculum and delivered financial literacy professional development workshops for Ohio teachers (7 years); written/presented at national and state conferences regarding financial literacy and economic education (10 years); teach consumer economics for middle and high school teacher candidates at BGSU (10 years)

Work on Purpose (1030) Monday 6:00-8:00 (Rosser) and (1032) Thursday 6:00-8:00 (Valdez)
Do you want to make an impact on the world? Find a major and a career you will love? Live with passion and commitment? Through a series of structured learning experiences and community based assignments explore how to link your major and your goals at BGSU with a career and life of purpose. Inspired by Echoing Green social entrepreneurship Fellows, this course provides inspiration and frameworks to support a wide spectrum of people seeking to develop their skills, talents, and focus. You will work collaboratively with your peers to identify passions, skills, and interests, areas of strength and areas for growth, and how these will help you reach your purpose. Participation in community engagement experiences will challenge you to apply your unique skills to an academic area of interest and ask the big questions. By the end of this course you will know what matters most to you and have a road map for doing work that is right for you and good for the world. Think Big: Be Bold: Drive Change

Biosketch: Dr. V Jane Rosser is the Director of Service-Learning and an affiliated faculty member in Family and Consumer Sciences, Women’s Studies, and Higher Education and Student Affairs. Dr. Rosser is passionate about civil rights and social justice, the environment, women’s issues, and living life with passion and integrity. As an active volunteer and activist, Dr. Rosser believes in learning about issues, trusting your skills, and being part of the change.

Biosketch: Paul Valdez is the Associate Director for Service-Learning and works with faculty to develop new service-learning courses. He is a doctoral student in the Higher Education Administration Program and has taught in Chapman...
Learning Community, worked for the Honors College and Campus Activities. Paul is also active in the community, volunteering his time as a board member with a local nonprofit as well as volunteering with a regional arts organization.

**Sports and Games**

*Magic and Math of Lotteries (1025) Tuesday 4:00-4:50*

A lottery is essentially a mathematical game involving the selection of correct numbers for prizes. Various forms and game rules of lotteries across the world are actually governed by the same mathematical principle. In this course, we will select several lotteries as examples to discuss the chance of winning a lottery by unveiling ways of numerical pattern generation. The course will demonstrate the function of mathematics in daily life at an accessible and enjoyable level; nurture student’s intellectual growth in decision-making under uncertainty; and lead students to explore new research approaches in probability and statistics. Students will have a chance to design their own games, to learn mathematics in a fresh style, and to build their confidence in mathematics through a collaborative project.

*Biosketch:* Dr. John Chen is Professor of Statistics in the Department of Mathematics and Statistics. He has taught various courses in mathematics and statistics at BGSU since 2000. His major research areas includes biostatistics and probability, in which he has published a book and more than 50 research papers. Dr. Chen has trained eight PhD graduates in statistics at BGSU.

*Moneyball Thinking: How a Statistician Reads the Sports Page (1039) Wednesday 2:30-3:20*

All professional sports are increasingly using data to measure player performance, decide on appropriate strategy, and draft players. We will give an introduction to sports analytics, with examples from baseball, basketball, football, and hockey. We’ll give a gentle introduction to descriptive and graphical methods for summarizing data from sports.

*Biosketch:* Dr. Jim Albert teaches and conducts research on statistical thinking in sports. He enjoy sports, both as a participant (tennis) and a spectator, and has written three books on baseball and statistics: Teaching Statistics Using Baseball, Curve Ball, and Analyzing Baseball with R. He has offered an honors seminar on Statistical Thinking in Sports and has taught a baseball version of the department’s introductory statistics class.

*Health, Wellness, and You! (1018) Monday 12:30-1:20*

This course is designed to help first year college students understand why health and wellness is important for a healthy prosperous life. Topics such as stress reduction, healthy eating habits, and an introduction to different types of exercises such as Pilates, Yoga, Zumba, PiYo, Aerobics, Tai Chi, etc, will be covered to help students get his or her college career off to a healthy start.

Updated: 5/21/2015
Biosketch: This course will be taught by Instructor Robyn Miller. I have a Master’s in Health and Human Services. I have been teaching fitness for 10 years. I have over 100 hours of Yoga training, I am also certified in Pilates, Zumba, Tai Chi, Turbokick, PiYo, Spinning, Group Exercise, and I am a Certified Personal Trainer through ACSM.

**Forensics**

**What is Science: The Use of Evidence-Based Inquiry to Make Inferences About the Existence of Dragons?**

(1008) Monday 3:30-4:20

Have you ever read an article that purports to make some scientific claim and thought...yeah right, how can they possibly know that? Or are you a fanatic of the TV show CSI or its derivatives? Then this might be the course for you. In this course, we are going to explore what science is and the nature of scientific inference. As a participant in this course you will gain hands-on experience working in a molecular genetics lab, similar to what you see on TV-Shows like CSI or NCIS, to analyze forensic DNA samples collected from African arthropods. Once we have gained hands-on experience in scientific inference we will then discuss in detail the nature of what science is using the notion of the existence of dragons as a framework to structure our discussion.

Biosketch: Dr. Andrew Gregory is an Assistant Professor of Spatial Ecology and Genetics in the School of Earth Environment and Society. He teaches courses in Field and Lab Methods, Conservation Ecology and Quantitative Methods. His current research focuses on the impacts of oil and gas development on Sage-Grouse and Lesser Prairie-Chickens, the impacts of wind energy on Greater Prairie-Chickens, the impact of bioenergy extraction on three levels of biodiversity in the Kakamega Rain Forest of Kenya and the North Western Ghats region of India, and the efficacy of conservation corridors. He is a board member of the Society for Conservation Biology and is also on a USGS panel evaluating the 2008 DOE 20% wind by 2030 initiative. He has given five keynote addresses on corridor ecology and management at both national and international scientific conferences, and has been a guest on American Public Media’s “The Story” with commentator Dick Gordon.

**Environment and Sustainability**

**When the Water is Undrinkable (1058) Thursday 4:00-4:50**

In August 2014, the municipality of Toledo issued a “do not drink” advisory on their water supply directly affecting over 500,000 residents. This state of emergency arose from the presence of high levels of a potent liver toxin in the city’s water. The culprit was a large bloom of harmful algae in Lake Erie. Harmful algal blooms are not new to Lake Erie, in fact they have been a recurring problem for much of the past 50 years. Using the Toledo Water Crisis as a case study, students will learn that factors responsible for these blooms and the ensuing public health threat go beyond the lake reflecting human influences that extend from “farm to faucet”. Classroom discussions will be augmented with guest speakers involved in the response to the Toledo Water Crisis and a field trip to Lake Erie with active student participation in ongoing BGSU-led research.

Updated: 5/21/2015
**Biosketch:** This course will be co-taught by Professors Robert McKay and George Bullerjahn, both of the Department of Biological Sciences. Collectively with over 30 years of research experience working on the Great Lakes and Harmful Algal Blooms, Professors McKay and Bullerjahn led the BGSU response to the 2014 Toledo Water Crisis, interacting with media, serving on panels communicating the issues to a concerned public and hosting an international workshop “Global Solutions to Regional Problems: Collecting Global Expertise to Address the Problem of Harmful Algal Blooms”.

**A Way of Engaged Citizenship (1033) Wednesday 10:30-11:20**
Design for the Public Good: We all want to live and work in buildings and sites that engage good environmental design. This course is meant for those students seeking ways to re-energize their creative juices and also bring in social change: those with enthusiasm about creation and social justice. This seminar is a discussion on how design can become a means for citizen empowerment and advocate social change. Students will explore diverse community-design and planning case study projects from around the world. Students will analyze the applied processes in those case studies and evaluate the social, economic, and environmental impacts of those projects on communities. The course final project asks students to get engaged in a small-scale community design project in Bowling Green.

**Biosketch:** Dr. Sara Khorshidifard is an architect-researcher and teaches in BGSU’s Department of Architecture. She held a senior project manager position at Community Design Solutions outreach center. For two years at the center, she looked through the lens of Public Interest Design. She led student teams and provided under-resourced Wisconsin communities with conceptual design and planning. Part of her job was organizing and facilitating public workshops that engaged communities in design and planning processes. The Wausau North East Riverfront Master Plan project that Dr. Khorshidifard managed at CDS received news recognition and is published in the World Landscape Architecture magazine. Diverse experience and knowledge instill in her the worth of integrative, knowledge-based practices that are informed by relevant theories and user-inclusive processes.

**Is it Safe to Drink--How Can You Know? (1016) Thursday 4:00-4:50**
This course will consider how you can use science to determine whether your drinking water is safe and will go on to examine how you can use science to determine the risks of consuming or being exposed to other substances such as the food we eat and the air that we breathe. This will include learning how to conduct some scientific tests for water quality, examining costs versus benefit, and how to decide the confidence in your conclusions about safety. This will be an opportunity to gain insights into the nature of science and the information it provides that is very useful for making many types of decisions regarding our exposure to and use of various materials and many of the decisions that we make as consumers. It will also provide insight into the limitations as well as the capabilities of the scientific process and you can use science to best benefit you as a consumer.

**Biosketch:** Dr. Bob Midden started his academic career in the Division of Environmental Chemistry, Department of Environmental Health, School of Public Health at Johns Hopkins University in 1980 where he helped create a new PhD program in Environmental Chemistry. He has drawn on that experience since about 2002 in designing learning experiences.
for students, including a general education science course for non-science majors, in which students are able to engage in water quality research during their first two years of college as an innovative way to learn science.

**A Stardust Journey (1069) Friday 1:30-2:20**
A long time ago, in a solar system far, far away events unfolded that caused the expulsion of material from stars into the interstellar medium, the region between stars in the galaxy. This stardust plays a primary role in the formation of new stars and solar systems as gas and dust coalesce, forming nebulae – the birthplace of new stars and planets. Amazingly, some of the stardust that traveled the incredibly long journey to our region of space and was present during the formation of our Sun has survived to be discovered today in meteorites. This course will explore the incredible life and times of stardust grains that traveled a distance of many light-years and were present during the formation of our Sun. Students will take on the role of a problem-solver, investigating the discovery of stardust in meteorites from the viewpoint of an astrophysicist, a material scientist, and a philosopher.

*Biosketch:* As an instructor in the Department of Physics and Astronomy, Dr. Eric Mandell teaches many of the introductory physics courses including an inquiry course focused on assessing the physical reasonableness of the events depicted in fiction and film. His research focuses on electron-beam characterization techniques applied to a particular type of carbonaceous stardust in an effort to better understand its crystal structure. He is also active in researching the effectiveness of teaching methods and novel assignments in introductory physics.

**Modeling and Creating**
**Establishing a Martian Society (1003) Monday 9:30-10:20**
Colonizing Mars is no longer science fiction. We have had the technology to establish a permanent human settlement on Mars since before you were born! In this seminar we will learn about the Mars Direct mission, a plan to settle Mars in the way Europeans settled America, by traveling lightly and living-off the land. How does one live-off the land when the land has no plants or animals, and tenuous, toxic air? We will investigate these and more questions. We will briefly review previous missions and what we know about Mars, how to get humans safely to Mars, how humans can live on Mars deriving all of their necessities from in situ materials, how to build a Mars base, colony, and society, and how to terraform Mars itself. We will also speculate on the impacts a new Mars society will have on Earth societies, and how it may transform humanity.

*Biosketch:* Dr. Glenn Tiede is a Distinguished Senior Lecturer in the Department of Physics and Astronomy. Dr. Tiede received his Ph.D. in astrophysics from Ohio State University in 1997. He has been a researcher at NASA, The National Optical Astronomical Observatory, and The University of Florida. He has been a fan of science fiction literature and movies since before he could read, and would really like to be a Martian pioneer.

**The Reef Aquarium (1024) Tuesday 2:30-3:20**
This hands-on course offers a unique opportunity for students to study coral reef aquarium care and husbandry as well as coral propagation techniques and coral research. To build a coral reef in an aquarium, students need a solid understanding of reef

Updated: 5/21/2015
biology and ecology as well as the physical and chemical parameters of reef aquarium water. Other topics of study will include filtration, lighting, aquascaping, feeding, and coral disease.

**Biosketch:** Dr. Matthew Partin has been a marine biology instructor/lecturer and the coordinator of the BGSU Marine Lab for the past 16 years. Before employment at BGSU, he spent many years as a professional aquarist. As an educator, Dr. Partin strives to become the best teacher possible and continues to make improvements to his lessons and teaching style based on evidence based best practices.

**Molecules in 3D: Reflections on Symmetry in Art, Life and Chemistry (1023) Tuesday 2:30-3:20**
What is the shape of a molecule? How do individual molecules of aspirin or caffeine pack together to make white powders and crystals? Does the shape of a molecule change its properties? Why does D-limonene smell like citrus but its mirror image smell like turpentine? What about crystal structures? Diamond and graphene are both carbon so why are they different? This seminar will use modern 3D visualization technologies to model, print and examine the structure of everyday molecules and discover how shape can change how molecules interact with each other and their environment.

**Biosketch:** Professor Klosterman received his PhD in Organic Chemistry from the Universität Zürich for tying molecules into loops and knots. He then spent several years at the University of Tokyo trapping molecules in cages. At BGSU, the Klosterman group uses molecular Tinker toys and Legos to engineer functional crystals.

**Deep Impact: How Modeling Strategies are Changing How Students Learn Science (1010) Wednesday 12-12:50**
This course is aimed to provide a practical, field-based introduction to Modeling Pedagogy. Modeling is used by scientists in many ways to help them better understand how things work from a cell in the body to stars in the night sky. This approach has been adapted by High School science teachers to help their students better understand the concepts behind Physics, Chemistry and Biology. Participants in this course will be introduced to Modeling and have the opportunity to see it in action in High school Classrooms around NW Ohio. In addition, participants will have the opportunity to participate with in-service teachers as they develop their modeling skills to apply in their own classroom settings.

**Biosketch:** Dr. Huziak-Clark has been actively involved in grant-funded projects that enhance teacher and student learning about science and science concepts for the past 10 years. She currently works with 50 in-service teachers as they engage in deeper understanding of modeling and modeling pedagogy. These grants have led to several national presentations, under-graduate research projects, and publications.

**Controversies of the Day**
**To Vaccinate or Not to Vaccinate? (1019) Monday 9:30-10:20**
What are the ethical implications of requiring childhood vaccinations? What is herd immunity? Why do some parents choose not to have their children vaccinated? The biology behind vaccination will be presented, followed by a discussion on the origins of

Updated: 5/21/2015
the anti-vaxxer movement, the pseudoscience behind it, and the current rise of childhood diseases once thought to have been eliminated, with reference to a recent outbreak of measles associated with Disneyland.

*Biosketch:* Dr. Underwood is a developmental geneticist by training, who teaches introductory biology (for both majors and non-majors), genetics, and developmental biology, among other things. While past research has involved Drosophila developmental genetics, current research focuses on best practices for students learning and best practices in reptile husbandry.

**Wilderness and Outdoors**

**Freshman Wilderness Experience (FWE) (1006) Tuesday 2:30-3:20**
Spend a week during summer hiking the AT or canoeing in the wilderness bonding with a small group of incoming students and a leadership team learning “Leave No Trace” principles and fundamentals of wilderness camping. During fall semester learn and practice skills for successful transition to college including critical thinking, leadership, stress and conflict management, and group development. Additional course fee applies.

*Biosketch:* Dr. Steve Langendorfer is an experienced wilderness canoeist and camper with Wilderness First Responder plus he has ACA canoeing instructor and Water Safety Instructor certifications complemented by lifelong experience in the outdoors. He has trained student leaders and faculty from the Outdoor Program and accompanied each 7-student expedition.

**Global Connections**

**One World: Thinking, Surviving, and Thriving in the Age of Globalization (1034) Wednesday 11:30-12:20**
Virtually all the great challenges of the 21st century are global. And yet too many of us continue to think and behave on a very local scale. Politicians pontificate while economists and political scientists theorize as if the nation-state were the last answer in community. Meanwhile, global economic, political, and environmental crises threaten our peace, our prosperity, and even the perpetuation of our species. What to do? In this course we will try to be smarter than the politicians by exploring the following questions: Why must we think globally? How do we think globally? How do we approach global problems without feeling utterly overwhelmed? In the end, this course aims to help you put the BGSU experience you are about to embark on into a 21st century context. It’s one world or no world. We should fight for the former. This class is an attempt to start the fight.

*Biosketch:* Nathan Richardson is Professor of Spanish and International Studies. He has lived many years in Argentina and Spain and parlayed his experiences in the latter to author two books on the subject. His favorite course to teach is International Studies 2000, Introduction to Globalization. When not teaching about the crazy, fascinating world we live in, Dr. Richardson runs, hangs out with his family, and coaches lots of soccer.

**Developing Cultural Competence (1028) Tuesday 6:00-6:50, (1042) Wednesday 3:30-4:20**
Why do we sleep, eat, bathe, speak and develop daily habits the way we do? How and why do we interpret others’ daily behaviors? This course will examine culture, its meaning and implications within international and cross-cultural US contexts. 

Updated: 5/21/2015
will investigate how culture is universal yet unique, stable yet always changing, and how it largely determines the course of our lives, yet rarely intrudes into conscious thought (Herskovits). Through the examination of films, readings, cross-cultural blogs, and other social media, we will apply learned knowledge about cultural context to our own and others’ cultural behaviors, developing an appreciation for and familiarity with cultural differences rather than strangeness.

_Biosketch:_ This course will be co-taught by Dr. Margaret Z. Booth and Ms. Caitlin O’Connor. With an academic background in both International Studies and Education, Dr. Booth is the Associate Dean of the Graduate College and Professor of Educational Psychology and Comparative Education. Since her Peace Corps years in Kenya (83 – 85) as a teacher, she has continued to study children and adolescents within various cultural contexts in Swaziland, England, and Ohio. Caitlin O’Connor is an MA candidate in the Cross-Cultural and International Education (MACIE) program. She received her Bachelor’s Degree in Communications from John Carroll University. Before enrolling at BGSU she worked in Ukraine as a Youth Development Peace Corps Volunteer (2009-2011) primarily creating after school programs. She has experience working with students at BGSU as a Teaching Assistant and working with international students this past summer in Boston.

**For Majors Only***

**You Are What You Post: The Psychology of Social Media (1022) Monday 11:30-12:20-Psychology Majors Only**

Many of our lives are increasingly being defined by our online behavior. People are spending more of their time online, using social media sites such as Facebook, Twitter, LinkedIn, Pinterest, and Instagram to connect with friends, to network for job opportunities, and to express their individual personalities in ways that may be difficult in face-to-face interactions. Given that the rise of social media is relatively new, the psychology of social media is just being developed. In this course, we will be exploring some of the new research on the psychology of social media. The specific theme that we will be exploring is how someone’s personality is related to their online behavior. A few specific questions that we will explore are social media addiction, online relationships, and how the interpretation of online behavior differs across individuals. In addition, we will be working on research that Dr. Zickar is conducting on using social media to judge the employability of individuals.

_Biosketch:_ Michael Zickar is Professor of Psychology and Chair of the Department. He received his PhD from University of Illinois Urbana-Champaign in industrial-organizational psychology. He has served on the Executive Board of the Society of Industrial-Organizational Psychology and has published over 50 peer-reviewed journal articles and book chapters on topics ranging from statistical theory, history of psychology, personality theory, and Hollywood film directors. He is a recovering social media addict.

**Observation, Exploration, Imagination: Using Problem-solving and critical thinking skills to enhance visual literacy in interior design (1020) Friday 9:30-11:15- Interior Design Majors Only**

Interior Design students need to observe, analyze, and interpret information in order to construct meaning and find a visual design solution. The design elements are the building blocks from which images are made and visual solutions are resolved. Each studio session will present a visual design problem which will require students to think, engage, invent, and apply a creative
and viable solution. We will work on a variety of two-dimensional problems by incorporating sketching and color rendering. Through the introduction of traditional and contemporary art forms, students will formulate design concepts and articulate design solutions through hands-on exercises and project assignments which will be completed by the end of each studio.

**Biosketch:** Debra Zappitelli has been teaching foundational studies for twenty years at Bowling Green State University. She works extensively with first year Interior design students through advising and through teaching the Interior Design Foundational studios in the Interior Design Program. She holds an MFA degree from BGSU School of Art.