Schedule of Courses

BUCKNELL UNIVERSITY SUMMER SESSION
June 9– July 18, 2014

Unless otherwise indicated, all courses meet 11/2 hours Monday through Friday and carry one-course credit (= 4 credit hours). Students registering for courses designated P (permission courses), including independent study courses listed in this catalog, and any other independent study, nontraditional, thesis/essay, research, or internship courses developed by the student, must have the approval of the instructor who will supervise and grade the coursework in order to enroll. Students who have completed the first semester of the junior year may receive Capstone credit. Only graduate students may register for 600-level courses. Many departments will arrange independent study or special project courses whether or not such courses are listed. Students must have the permission of the instructor to enroll. Class hours for all independent study courses will be arranged by the instructor. This publication is subject to change. For the most updated listings please visit the online schedule information.

Room designations for courses are not available at press time. Please consult the summer session web page for room assignments prior to the beginning of the summer session.

Credit is given for a course only if the student is officially registered. All courses will meet the first day of Summer Session (June 9) as scheduled.

M – Monday   T – Tuesday   W – Wednesday   R – Thursday   F – Friday

COLLEGE OF ARTS AND SCIENCES
Department/Course/Instructor/Schedule/Location

ART AND ART HISTORY

ARST 131. Elementary Drawing – Bronner, TR 1:00-4:22 p.m. The tradition of drawing, its practice and theory in various media. [CRN 90001]

BIOLOGY

BIOL 235. Introduction to Microbiology – Stowe, MWF 9:00a.m.-noon. An introduction to microbiology for non-science majors. Course will focus on the interaction between humans and microbes, not limited to disease. [CRN 90072] Student must also register for BIOL 235L. Stowe, TR 9:00a.m.-noon. [CRN 90073]

BIOL 245P. Tropical Marine Biology – Chernin, and Capaldi-Evans (off-campus: Virgin Islands, June 4-21). A field course in coral reef ecology offered in the U.S. and British Virgin Islands. Emphasis on observation and identification of marine life and on data collecting. [CRN 90021]

BIOL 399P. Undergraduate Research (course credit: 0.5-2.0) – Staff.
BIOL 660P. Graduate Research (course credit: 0.5-2.0) – Staff.
BIOL 680P. Thesis (course credit: 0.5-1.0) – Staff.
CHEMISTRY

CHEM 375P. Undergraduate Research (course credit: 0.5-1.0) – Staff [CRN90026]

CHEM 675P. Graduate Research (course credit: 0.5-2.0) – Staff [CRN 90028]

CHEM 699P Thesis (course credit: 0.5-1.0) – Staff [CRN 90062]

ECONOMICS

ECON 103. Economic Principles and Problems – Banks, MW 9:30 a.m.-1:15 p.m. An introductory economics course which introduces students to the basic macro- and micro-economic concepts used to analyze and explain social phenomena. On completing this course, students will be able to understand how economic policies affect the various sectors of the U. S. economy. [CRN 90044]

ECON 225. Cultivating Change – Schneider & Kirby, TBA, Explores limits to growth and sustainable alternatives. Includes work on an organic farm, and discussions of rhetoric and debates regarding sustainability. [CRN 90093] Crosslisted as UNIV 224.

ECON 257. Intermediate Macroeconomics – Vernengo, MW 1-4:45p.m The study of national income, employment, inflation, interest rates, and the impact of monetary and fiscal policy on the economy. Prerequisite: ECON 103. [CRN 90074]

ECON 266P. Political Economy of the Caribbean – Griffith, Kinnaman (off-campus, Barbados). Formal lectures will be supplemented by class meetings with local experts on areas of government, law, religion, finance and economic policy. [CRN 90083]

ECON 301/601P. Independent Study – Griffith (off-campus, Barbados). Project to be selected on an aspect of economic and social change in Barbados and the English speaking Caribbean.

EDUCATION

EDUC 105. Education for Peace and Justice – Ragland, TR 1:00p.m – 4:30 p.m. This course is an interdisciplinary examination into the meaning, lived experience and learning necessary for peace and justice. [CRN 90076]

EDUC 617P. Problems in Education – Staff, TBA. Research on a problem not involved in a student thesis. Graduate students. Prerequisite: permission of the instructor.

EDUC 680P. Thesis (course credit 1.0) – Staff.

EDUC 681P. Master's Treatise (course credit 1.0) – Staff.

EDUC 697. College Student Personnel Internship – Staff. Supervised practice in student affairs, together with group reflection. May be repeated for up to two credits.

ENGLISH

ENGL 238. Writing about Film-Willoughby, MWF, 1-3:30p.m., This course will aim to use film as a text in order to generate an overview of different styles and approaches to writing about film used across the film studies discipline. The course will include screenings of six films—with screenings at the Campus Theatre in downtown Lewisburg—and the completion of five distinct writing assignments associated with these visual texts. Living in our visual culture means that we are constantly bombarded with the moving image—in commercials, in short-content videos, and in feature-length films. While it’s easy to enjoy these bits of visual information as entertainment, this course will ask you to do something more—to engage actively with the visual language of film, and to communicate effectively about the meaning you find there in a variety of different writing styles used in the industry and profession of film studies.
This course is designated as a W2 course, and therefore will spend a significant portion of class time focusing on writing, and particularly on writing within the film studies discipline. Classes will consist of a balance of lecture, discussion, and workshop time, with assignments ranging from informal reaction essays to short presentations on films to more lengthy analyses. Textbook and supplemental reading will be required, along with attendance at each film screening at the Campus Theatre. [CRN 90094]

ENGL 290- Modernism and the Novel, Delsandro, TWR 1:00p.m – 3:30p.m. This course surveys British fiction from the Edwardian era to the end of the Second World War. Among the social and historical issues we will explore are the impact of world wars anticipated and experienced, the end of empire, the transformation of gender roles in the era of women’s enfranchisement, and changing ideas of class and political power in a period marked by revolutions on the continent and labor unrest at home. Our major literary-historical narrative will be the emergence and evolution of modernism in the novel. [CRN 90095]


GEOGRAPHY

GEOG 101. Globalization, People, and Place – Mulligan, MTW, 9:00a.m. – 11:30a.m. Investigates the world from a spatial perspective to understand the complexity of places and the dynamic relationship between peoples and the world they inhabit. [CRN 90077]

GEOG 204. Applied G.I.S. - Amador, MTW 1:00p.m – 3:30 p.m. Introduction to the use of Geographical Information Systems to collect, structure, and display large or complex spatial data sets, using examples from human and physical geography. Prerequisite: permission of the instructor. [CRN 90078]

GEOG 237- Grass Roots Development in Nicaragua (Bucknell in Nicaragua) Susman & Daubman, May 20- June 9. The overarching academic purpose is to offer students an intensive introduction to themes and issues of third world development as understood through a combination of academic literature/ class room type study and service learning experiences. The feedback between the two types of activities are intended to inform and enrich students’ appreciation of the issues. The course will present an overview of third world development issues, including different meanings of the concept of development, approaches to sectoral (health, agricultural, economic, e.g.) development, distinctions between different forms of ‘grass roots’, participatory, and other approaches. Emphasis will be on examples in which local people have taken the initiative and created services, employment, and generated the means of livelihoods for themselves. The overriding context will be Nicaragua. [CRN 90025]

MANAGEMENT

MGMT 270/WMST 275- Efforts to Overcome the Legacy of Apartheid Through Social Entrepreneurship and Community Development (Bucknell in Capetown, South Africa), White, Davis & Hiller, May 19- June 12, The program will take place in Cape Town, South Africa, focusing on efforts to overcome the legacy of apartheid through social entrepreneurship, social business, and community development, with particular analytical and topical attention paid to gender and sexuality. Students will study with Bucknell professors and local experts at the University of Cape Town, and will intern through SHAWCO, a 70-year old student volunteer organization that ran health and welfare projects throughout South Africa’s apartheid era and now has the mission to practice and promote responsible citizenship in the South African context through health, education and social entrepreneurship initiatives [CRN 90019/90033]

PHILOSOPHY

PHIL 103. Logic – Fleming, MTWRF, 9:30-11 a.m. An introduction to informal and formal ways of reasoning. The structures and general forms of argument as well as the standards and criteria needed to evaluate arguments, and the historical development of logical reasoning, will be studied. [CRN 90002]
PSYCHOLOGY

**PSYC 234. Introduction to Sport Psychology – Ptacek, MTWRF 1-2:30 p.m.** Considers the individual difference factors influencing athletic performance (e.g., cognitive, behavioral, and emotion). Also considers psychological processes operating in group (e.g., cohesion, leadership, aggression, and audience effects). [CRN 90008]

**PSYC 329P. Undergraduate Research – Staff. [CRN 90059]**

**PSYC 337. Child Development in Denmark – Boyatzis, June 14 – July 5.** Core course in Bucknell in Denmark summer program. Focus on child development in Denmark and Nordic countries with comparison to U.S. Practicum included. Prerequisites: enrollment in Bucknell in Denmark program and permission of the instructor. [CRN 90022]

**PSYC 685P. Graduate Research – Staff.**

RELIGION

**RELI 234. The Holocaust Ulmer, TR, 7:00-10:30 p.m.** The Holocaust is considered to have been one of the most significant tragedies in recent human history; more than six million Jews—one third of the Jewish population of the world—were systematically killed. An additional five million victims of the Holocaust included gypsies, homosexuals, socialists, communists, Jehovah’s Witnesses, people with physical and mental disabilities, as well as others deemed unworthy of life by the Nazis. Presently, the number of people who deny the Holocaust increases and the number of surviving witnesses decreases. We should teach the Holocaust to the present and future generations of students. [CRN 90004]

SOCIOLOGY

**SO CI 100. Introduction to Sociology, Altendorf, MWF, 9:30 a.m. – noon.** The concepts and methods sociologists use to investigate human groups. Focuses on the study of social organization, its variety and development. [CRN 90080]

**SO CI 202. Social Inequit y, C.Ochoa-Henne, TWR, 10 a.m. – 12:30 p.m.** An introductory course on the topic of social stratification. Various structures and forms of inequality will be examined including social class, racial and ethnic status, and gender. [CRN 90081]

SPANISH

**SPAN 101. Elementary Spanish I, Dock, MTWRF, 9:30-11 a.m.** Beginning language skills, with practice of points of grammar through listening, speaking, reading, and writing in the context of Hispanic cultures. SPAN 101 is prerequisite to SPAN 102. [CRN 90082]

**SPAN 103. Toward Intermediate Spanish, Balasch Rodriguez, TBA, Through grammar review and the development of new linguistic skills, in the context of Hispanic cultures, students reach intermediate competency in Spanish. Prerequisite: SPAN 102 or three years of secondary school Spanish. [CRN 90090]**

UNIVERSITY COURSE

**UNIV 224. Cultivating Change – Schneider & Kirby, TBA,** Explores limits to growth and sustainable alternatives. Includes work on an organic farm, and discussions of rhetoric and debates regarding sustainability. [CRN 90092] Crosslisted as ECON 225.
ENGINEERING SCIENCES

ENGR 290P. Engineering in a Global and Societal Context, New Zealand: Renewable Energy, Sustainability, and Indigenous Culture, Knisely and Beninati, May 21 - June 9. Three week program for engineering students interested in developing their professional sensitivity to broad range of topics impacting engineering, including societal, ethical, environmental, economic, regulatory and global issues. Approximately half the trip will be on the North Island and half on the South Island. Program includes half- and full-day excursions to places of technical, cultural, historical, geographical and sociopolitical importance. Numerous guest lecturers and field trips are included to provide first-hand exposure to New Zealand energy policy and practices in their societal context. Permission of instructor required.

CHEMICAL ENGINEERING

CHEG 440/640P. Chemical Engineering Research (course credit: 0.5-2.0) – Staff.
CHEG 680P. Thesis – Staff.

CIVIL AND ENVIRONMENTAL ENGINEERING

CENG 480P Special Topics in Civil Engineering – Staff.
CENG 699P. Master’s Thesis – Staff.

MECHANICAL ENGINEERING

MECH 485/685P. Advanced Engineering Problems – Staff.
MECH 699P. Graduate Thesis – Staff.