### UB Undergraduate Experiential Learning Contacts Database

(Internship/Practicum, Research, Independent Study and Special Project)

**Updated – September 2017**

<table>
<thead>
<tr>
<th>Major/Program</th>
<th>Description</th>
<th>Contact Information</th>
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</thead>
</table>
| Aerospace Engineering                | **Co-op information listed under Engineering and Applied Sciences (School of)**<br>**MAE 496 Engineering Internship**<br>Credits: 1-3  
Semester(s): Fall, Spring  
Prerequisites: Senior standing and permission of instructor  
Provides experience in real-world engineering problems for senior mechanical and aerospace students. Assigns projects from local industry. Normally requires students to spend eight hours weekly in an engineering office. Students must present written and oral reports. Students interested in an internship or co-op experience should also consider the [EAS 396](#) and [EAS 496](#) sequence.  
**MAE 498 Undergraduate Research & Creative Activity**<br>Credits: 1 - 3  
Semester(s): Fall and Spring  
Students collaborate with faculty research mentors on an ongoing project in a faculty member's laboratory or conduct independent research under the guidance of a faculty member. This experience provides students with an inquiry based learning opportunity and engages them as active learners in a research setting. Arrangements must be made with a specific faculty member before registration.  
**MAE 499 Independent Study in Mechanical Engineering**<br>Credits: 1 - 3  
Semester(s): Fall and Spring  
Independent engineering projects or reading courses may be arranged with individual faculty members. Students must make arrangements with a specific faculty member for work on a particular topic before registering. | Paul E. DesJardin  
Director of Undergraduate Studies  
336 Jarvis Hall  
(716) 645-1467  
ped3@buffalo.edu  
Contact Faculty/Instructor/  
Department for more information.  
Instructors for MAE 496: Armstrong and Khan.  
Instructors for MAE 498: Armstrong, Cormier, Tarkesh, Yoo and khan  
| African American Studies             | **AAS 496 Community Internship**<br>Credits: 1 - 5  
Assigns to students a research project with a community-based organization, agency, or center. Much time is spent studying how the agency structures and disseminates its services. Provision for effective research enables the student to participate in the black community and observe the dynamics of community activities and the role of the black community in decision making in government and social agencies and in the development of cultural and economic activities. | Keith P. Griffler  
Associate Professor -  
Transnational Studies  
732 Clemens Hall  
(716) 645-0802  
griffler@buffalo.edu  
Instructors: Carter, Ekeh, Griffler |
| African American Studies             | **AAS 499 Independent Study**<br>Credits: 1 – 4  
Semester(s): Fall  
Students conduct research or a project under the supervision of a member of the department's faculty. | |
<table>
<thead>
<tr>
<th>Department</th>
<th>Course</th>
<th>Credits</th>
<th>Details</th>
<th>Contact Information</th>
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</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>AMS 496: Internship</td>
<td>3</td>
<td>Hands-on experience in the field.</td>
<td>Barbara Wejnert Director of Undergraduate Studies 703 Clemens Hall <a href="mailto:barwejnert@buffalo.edu">barwejnert@buffalo.edu</a></td>
</tr>
<tr>
<td></td>
<td>AMS 499 Independent Study</td>
<td>1-16</td>
<td>Individually designed program of reading, research, or skills development in close association with an instructor.</td>
<td>Instructors: Buscaglia, Centrie, Nightingale, Winter, Grinde, Trumper.</td>
</tr>
<tr>
<td>Anthropology</td>
<td>APY 496 Internship</td>
<td>1-6</td>
<td>Students wishing to complete an internship with a host agency may register for this course with the agreement of the agency supervisor and the faculty advisor.</td>
<td>Beth Wallace Undergraduate Program Coordinator 716-645-2416 <a href="mailto:bethwall@buffalo.edu">bethwall@buffalo.edu</a></td>
</tr>
<tr>
<td></td>
<td>APY 499 Independent Study and Research</td>
<td>1-8</td>
<td>Individually designed program of reading, research, or skills development in close association with an instructor.</td>
<td>Instructor for APY 496: Biehl, Perrelli, Sirrianni</td>
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<td>Instructors for APY 499: Bucigalupo, Banks, Barbour, Tedlock, Duggleby, Zubrow, klaits, Lycett.</td>
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<td>Contact Instructor/faculty/Department for further questions.</td>
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<tr>
<td>Architecture</td>
<td>AP 496 Architecture and Urban Planning Practicum</td>
<td>1-6</td>
<td>Semester(s): Fall, Spring and Summer Allows students to gain exposure and experience with a host agency as well as increase their understanding in particular areas of architecture, environmental design, and urban planning. Advanced permission, agreement with the host agency, and a required final written report must be approved by School of Architecture and Planning Advisement.</td>
<td>RJ Multari Assistant Dean for Undergraduate Education 114 Diefendorf Hall (716) 829-5900 <a href="mailto:multari@ap.buffalo.edu">multari@ap.buffalo.edu</a></td>
</tr>
<tr>
<td></td>
<td>ARC 498 Community Design Service</td>
<td>1-7</td>
<td>Matches students with community organizations (Habitat for Humanity) in need of architecture-related services. Students do hands-on work serving community needs and pursue learning experiences with faculty. May be offered on an intermittent basis.</td>
<td>Instructor for AP 496 – Multari</td>
</tr>
<tr>
<td></td>
<td>AP 499 Independent Study</td>
<td>1-8</td>
<td>Designed to add depth and breadth to a student's understanding of architecture or environmental design and urban planning. Students electing this course must be accepted for work on a specific topic by a member of the School of Architecture and Planning's faculty, and must have the approval of School of Architecture and Planning Advisement.</td>
<td>Instructor for AP 499 – Traynor</td>
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<tr>
<td>Art</td>
<td>Listed under Visual Studies</td>
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<tr>
<td>Art History</td>
<td>Listed under Visual Studies</td>
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</tbody>
</table>
| Asian Studies | JPN 496 Internship Practicum  
Credits: 3  
Hands-on experience in language and cultural studies at institutions and organizations in Western New York and/or nationwide. | Nona Carter  
Undergraduate Advisor  
729 Clemens Hall  
716-645-0764  
nonacart@buffalo.edu  
Instructor for JPN: Shimojo  
Instructor for KOR: Lee |
|---|---|---|
| Athletics | KOR 496 Internship Practicum  
Credits: 1-8  
Hands-on experience in language and cultural studies at institutions and organizations in Western New York and/or nationwide. | Amy Newsome  
Associate Director for Fitness and Instruction  
77 Alumni Arena  
Anewsome@buffalo.edu  
Jessica Nyrop  
Assistant Director for Academic Instruction  
(716) 645-2534  
jenyrop@buffalo.edu  
Instructors: Nyrop, Hutchins |
| Biochemistry | ATH 496 Coach Intern  
Credits: 1 -12  
Prerequisites: ATH 221, ATH 222, ATH 230, ATH 299  
Lab experience designed to enhance coaching certification for nonphysical education majors. | Alfred Ponticelli  
Associate Professor  
649 Biomedical Building  
(716) 829-2473  
asp@buffalo.edu  
| Biochemistry | BCH 498 Undergraduate Research Participation in Biochemistry  
Credits: 1 - 8  
Semester(s): Fall, Spring  
Under the direction of faculty, the course consists of an original investigative project involving library and lab work. Open to majors as a research project. Requires one poster presentation. Students must complete 8 credit hours. | Denise Ferkey  
Director of Undergraduate Affairs  
109 Cooke Hall  
716-645-4929  
dmferkey@buffalo.edu  
Poulin  
List of instructors for BIO 498:  
http://undergrad-catalog.buffalo.edu/coursedescriptions/index.php |
| Biochemistry | BCH 499 Independent Study  
Credits: 1 - 4  
Semester(s): Fall and Spring  
For students having specific academic interests or objectives; requires a department faculty sponsor before preregistration. |  |
| Biological Sciences (Bioinformatics and Computational Biology, Biological Sciences) | BIO 497 Honors in Biology  
Credits: 1 - 4  
Semester(s): Fall and Spring  
Research experience during the senior year. Enrollees are sponsored by a member of the faculty of the Department of Biological Sciences. Upon completion of the requirements of an honors research project, recognition is noted on the student's transcript. |  |
| Biological Sciences (Bioinformatics and Computational Biology, Biological Sciences) | BIO 498 Undergraduate Research  
Credits: 1 - 4  
Semester(s): Fall and Spring  
Students collaborate with faculty research mentors on an ongoing faculty research project or conduct independent research under the guidance of a faculty member. |  |
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<th><strong>Program</strong></th>
<th><strong>Course</strong></th>
<th><strong>Credits</strong></th>
<th><strong>Semester(s)</strong></th>
<th><strong>Prerequisites</strong></th>
<th><strong>Description</strong></th>
<th><strong>Contact Information</strong></th>
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<tbody>
<tr>
<td>BIO 499 Independent Study</td>
<td>Credits: 1 - 4</td>
<td>Semester(s): Fall and Spring</td>
<td>A program that may include laboratory experience, library research, or tutorial study arranged with a faculty sponsor in the Department of Biological Sciences.</td>
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<td>Contact instructor/department for further details.</td>
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<tr>
<td>Biomedical Sciences</td>
<td>BMS 496 Biomedical Sciences Internships</td>
<td>Credits: 1 - 4</td>
<td>Semester: Fall and Spring</td>
<td>Junior/senior standing</td>
<td></td>
<td><a href="http://www.smbs.buffalo.edu/bms/internships.htm">http://www.smbs.buffalo.edu/bms/internships.htm</a> Kelli Hickey Academic Advising 127 Sherman Annex (716) 829-3005 <a href="mailto:khickey@buffalo.edu">khickey@buffalo.edu</a></td>
</tr>
<tr>
<td>Biotechnology</td>
<td>MT 496: Internship in Biotechnology</td>
<td>Credits: 1-12</td>
<td>Semester: Fall Spring and Summer</td>
<td>MT 302, MT 401, MT 402</td>
<td>A one-semester, variable credit internship at a biotechnology site. Includes participation in one or more projects selected to integrate the materials learned in academic courses. Placement is accomplished by the program director, based on the coursework completed and interest of the student. Generally requires an interview at the biotechnology site before placement.</td>
<td>Leah Doherty Undergraduate Program Advisor Department of Biotechnical and Clinical Laboratory Sciences 26 Cary Hall (716) 829-5182 <a href="mailto:dohertyl@buffalo.edu">dohertyl@buffalo.edu</a> <a href="http://www.smbs.buffalo.edu/cls/biotech-bs-curric.html">www.smbs.buffalo.edu/cls/biotech-bs-curric.html</a></td>
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<tr>
<td>Business Administration</td>
<td>Listed under Management (School of) Credit-Bearing Internship Program</td>
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<td>Career Services</td>
<td>UBE 496 Career Peer Advisors</td>
<td>Credits: 3</td>
<td>Semester: Fall</td>
<td>Upperclassman standing preferred.</td>
<td>Students work as paraprofessionals in the office of Career Services. They receive in-depth training in order to provide career-related assistance to students and campus groups.</td>
<td>Lauren Johnson Senior Career Counselor 259 Capen Hall (716) 645-2231 <a href="mailto:lj8@buffalo.edu">lj8@buffalo.edu</a> Greg Rosenberg Programming Specialist 259 Capen Hall 716-645-4634 <a href="mailto:gregrose@buffalo.edu">gregrose@buffalo.edu</a> Bob Orrange Associate Director 259 Capen Hall 716-645-4620 <a href="mailto:rorrange@buffalo.edu">rorrange@buffalo.edu</a></td>
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<td></td>
<td>UBE 496 Sophomore Internship Program</td>
<td>Credits: 3</td>
<td>Semester: Fall, Spring, Summer</td>
<td>Students gain real world leadership experience in not-for-profit agencies in Western New York.</td>
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<td>Chemical Engineering</td>
<td>Co-op information listed under Engineering and Applied Sciences (School of).</td>
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<tr>
<td><strong>CE 496 Internship/Practicum</strong></td>
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<td>Credits: 3</td>
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<td>Hands-on experience in the field. Problems vary from year to year, and may include chemical process studies, engineering materials studies, or computer-based analysis of specific chemical engineering problems. Internship assignments follow student preferences where possible and require consent of a faculty member who guide the work. Typically, students are required to spend approximately ten unpaid hours per week at an industrial site. Grading is based in part on written and oral reports that are required upon completion of the internship.</td>
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<td><strong>CE 499 Independent Study</strong></td>
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<td>Credits: 1-9</td>
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<tr>
<td>Prerequisites: senior standing</td>
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<td>Students should be accepted for work on a specific topic by a member of the teaching staff of the chemical engineering department.</td>
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<tr>
<th>Chemistry</th>
<th>CHE 498 Senior Research</th>
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<td>Credits: 1 - 3</td>
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<td>Semester(s): Fall, Spring and Summer</td>
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<td>Prerequisites: Senior or junior status in department and permission of instructor.</td>
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<td>Supervised research under the direction of a chemistry faculty member. May be taken more than one semester.</td>
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<tr>
<th>Civil Engineering</th>
<th>Co-op information listed under Engineering and Applied Sciences (School of).</th>
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<tbody>
<tr>
<td><strong>CIE 498 Undergraduate Research and Creative Activity</strong></td>
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<td>Credits: 1 - 3</td>
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<td>Semester(s): Fall, Spring and Summer</td>
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<td>Students collaborate with faculty research mentors on an ongoing project in a faculty member's laboratory or conduct independent research under the guidance of a faculty member. This experience provides students with an inquiry based learning opportunity and engages them as active learners in a research setting.</td>
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<tr>
<td><strong>CIE 499 Independent Study</strong></td>
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<td>Credits: 1 - 12</td>
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<td>Students electing this course should be accepted for work on a special topic by a member of the teaching staff. Special forms are available in the department office.</td>
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<tr>
<th>Classics</th>
<th>CL 498 Undergraduate Research</th>
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</thead>
<tbody>
<tr>
<td>Credits: 1-3</td>
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<tr>
<td>Semester(s) Typically Offered: Fall, Spring</td>
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<tr>
<td>Grading: Graded (A-F)</td>
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<tr>
<td>Students collaborate with faculty research mentors on an ongoing faculty research project or conduct independent research under the guidance of a faculty member.</td>
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<tr>
<td>Cognitive Science</td>
<td>Listed under Social Sciences Interdisciplinary Program.</td>
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<tr>
<td>Communication</td>
<td><strong>COM 496 Internships in Communication</strong>&lt;br&gt;Prerequisites: Internship credit is available to majors in the Department of Communication during their senior year or during the summer preceding. Students must be a Communication major who has completed 90 credits and has earned a grade point average of 2.0 at the University and carries a 2.5 grade point average in the major. Students should plan your internship with the Director of Internships prior to registering for the course. Paid internships must be approved by petition in advance.  &lt;br&gt;&lt;br&gt;<strong>COM 499 Independent Study</strong>&lt;br&gt;Credits: 1-4&lt;br&gt;Involves development of an individual project of inquiry into an area of particular relevance to student interest within the field of communication. Graded pass/fail.</td>
</tr>
<tr>
<td>Vivian Williams</td>
<td>Director of Internships&lt;br&gt;359 Baldy Hall&lt;br&gt;(716) 645-1503&lt;br&gt;<a href="mailto:vmw@buffalo.edu">vmw@buffalo.edu</a>&lt;br&gt;Instructor for COM 496: Vivian Williams&lt;br&gt;For COM 499 Contact&lt;br&gt;Instructor/Faculty for further information&lt;br&gt;<a href="http://communication.buffalo.edu/undergraduate/internships/">http://communication.buffalo.edu/undergraduate/internships/</a></td>
</tr>
<tr>
<td>Computer Engineering</td>
<td><strong>CSE 496 Internship</strong>&lt;br&gt;Credits: 1 - 5&lt;br&gt;Semester(s): Fall, Spring&lt;br&gt;Prerequisites: Accepted CSE major and personal interview with an advisor in computer science and engineering&lt;br&gt;Field experience working on a computer science project in a real-world setting under the joint direction of a supervisor from industry and a faculty advisor from the Department of Computer Science and Engineering. Projects selected should integrate the material learned in academic courses. Upon completing the internship the student is expected to have fulfilled an internship contract. Only S/U grades are given (therefore, internships may not be used to satisfy requirements for the BA or BS.) No more than 5 credit hours of CSE 498 may be taken. Offered every semester.  &lt;br&gt;&lt;br&gt;<strong>CSE 498 Undergraduate Research and Creative Activity</strong>&lt;br&gt;Credits: 1 - 4&lt;br&gt;Students collaborate with faculty research mentors on an ongoing project in a faculty member's laboratory or conduct independent research under the guidance of a faculty member. This experience provides students with an inquiry based learning opportunity and engages them as active learners in a research setting. (May not be used to satisfy the requirements for the BA or BS.)  &lt;br&gt;&lt;br&gt;<strong>CSE 499 Independent Study</strong>&lt;br&gt;Credits: 1 - 4&lt;br&gt;Semester(s): Fall, Spring&lt;br&gt;Prerequisites: permission of instructor, preferably during the previous semester&lt;br&gt;Independent study in an area of computer science in which the student is particularly interested. (May not be used to satisfy the requirements for the BA or BS.)</td>
</tr>
<tr>
<td>Donna Grant</td>
<td>Undergraduate Academic Advisor&lt;br&gt;338R Davis Hall&lt;br&gt;716-645-4758&lt;br&gt;<a href="mailto:Dmgrant3@buffalo.edu">Dmgrant3@buffalo.edu</a>&lt;br&gt;Instructor for CSE 496: Upadhyaya&lt;br&gt;Instructors for CSE 498: Schindler, Alphonce, Upadhyaya, Biance and Ramamurthy&lt;br&gt;Contact Instructor/Faculty for further information</td>
</tr>
<tr>
<td>Cora P. Maloney College Public Service Internship Program</td>
<td><strong>CPM 496 Internship</strong>&lt;br&gt;Credits: 1 – 12&lt;br&gt;Prerequisites: Junior or senior status.&lt;br&gt;The Public Service Internship encourages active citizenship by allowing students to gain direct&lt;br&gt;&lt;br&gt;<a href="http://cpmc.buffalo.edu/cpmc/index.php">http://cpmc.buffalo.edu/cpmc/index.php</a>&lt;br&gt;Ramelli Choates</td>
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<td>Program</td>
<td>Course Name</td>
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<tr>
<td>Dance</td>
<td>THD 496 Internship - Dance Teaching</td>
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<td>THD 499 Independent Study</td>
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<tr>
<td>Economics</td>
<td>ECO 496 Internship in Economics</td>
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<tr>
<td>Electrical Engineering</td>
<td>Co-op information listed under Engineering and Applied Sciences (School of). EE 496 Internship</td>
</tr>
<tr>
<td></td>
<td>EE 498 Undergraduate Research and Creative Activity</td>
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<td>EE 499 Independent Study</td>
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<tr>
<td>Engineering and Applied</td>
<td>EAS 496 Co-Op</td>
</tr>
</tbody>
</table>
| Sciences (School of) | Credits: 1-3  
Semester(s): Fall and Spring.  
Up to three work periods of engineering-related employment. Co-op students are employed full-time on paid, credit-worthy technical assignments in industry, with emphasis on practical application of engineering coursework. While each student is registered for two credit hours, full-time status at the University is afforded the student. The course goal is to provide valuable experience for students, while making positive contributions to employers. This win/win combination is designed to enhance participating students' employment opportunities upon commencement. | Assistant Dean  
410 Bonner Hall  
(716) 645-0960  
collinsk@buffalo.edu  
Instructors:  
Titus, Armstrong, Jankovic, Upadhyaya. |
| Engineering Physics | Co-op information listed under Engineering and Applied Sciences (School of). |  |
| English | **ENG 496 Writing Internship**  
Credits: 3  
Supervised writing in a work setting, by arrangement among the English department, the student, and the employer.  

**ENG 498 Undergraduate Research Assistance**  
Credits: 3  
Work with faculty mentor on research or creative project.  

**ENG 499 Independent Study**  
Credits: 1 - 6  
Guided reading and directed research under individual faculty advisors. See special instructions. | Steven Miller  
Director of Undergraduate Studies  
415 Clemens Hall  
(716) 645-2575  
sim26@buffalo.edu  
Instructors for ENG 496:  
Schiff, Kleinberg and Miller  
Contact Instructor/Faculty for further information |
| Environmental Design | **PD 496 Environmental Design Internship**  
Credits: 1 - 3  
Semester(s): Fall, Spring and Summer  
Prerequisites: Environmental design majors/minors or permission of advisement  
Offers opportunity to work in urban or regional agencies in areas such as housing development, local government, strategic planning, transportation, community development, environmental affairs, land use, and urban design.  

**END 498 Research Projects in Environmental Design**  
Credits: 3  
Semester(s): Spring  
Prerequisites: PD 350, PD 360, and senior standing in environmental design with a 2.50 GPA  
Corequisites: PD 494  
A required senior undergraduate research and creative activity course. Engages students in environmental design methodologies and individual research on a topic of contemporary interest. Topics vary annually. In the past this course addressed community design, urban/suburban relations, urban subcultures, urban hazards and disasters, environmental planning, and urban development.  

**PD 499 Independent Study**  
Credits: 1 - 6  
Semester(s): Fall, Spring and Summer  
Designed to add depth and breadth to a student's degree program. Students electing this course must be accepted for work on a specific topic by a member of the faculty, and must have the approval of the department's chair. | R. J. Multari  
Assistant Dean for Undergraduate Education  
114 Diefendorf Hall – South Campus  
(716) 829-5900  
multari@buffalo.edu  
instructors for PD 496:  
Kujawa, Multari  
Instructor for END 498:  
Kang  
Contact Instructor/Faculty for further information |
<table>
<thead>
<tr>
<th>Subject</th>
<th>Course</th>
<th>Credits</th>
<th>Semester(s)</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>Environmental Engineering</td>
<td>Co-op information listed under Engineering and Applied Sciences (School of).</td>
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<tr>
<td>Environmental Studies</td>
<td>Listed under Social Sciences Interdisciplinary Program.</td>
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<td>Exercise Science</td>
<td><strong>ES 429 Internship</strong>&lt;br&gt;Credits: 12&lt;br&gt;Semester(s): Spring, Fall, Summer&lt;br&gt;Prerequisites: ANA 407 or ES 410&lt;br&gt;Conducted in settings conducive to the development/refinement of skills and abilities related to a professional role, under the guidance of an approved field supervisor and/or university personnel.</td>
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<td>Susan Smith&lt;br&gt;Director&lt;br&gt;716-645-0722&lt;br&gt;<a href="mailto:slsmith@buffalo.edu">slsmith@buffalo.edu</a>&lt;br&gt;The Office of Clinical Education&lt;br&gt;&lt;a href=&quot;http://sphhp.buffalo.edu/exercise-and-nutrition-sciences.html&quot;&gt;<a href="http://sphhp.buffalo.edu/exercise-and-nutrition-sciences.html">http://sphhp.buffalo.edu/exercise-and-nutrition-sciences.html</a>&lt;/a&gt;&lt;br&gt;Instructor for ES 429 and 496: Mary Dedrick</td>
</tr>
<tr>
<td>Film Studies</td>
<td>Listed under Media Study.</td>
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<tr>
<td>French</td>
<td><strong>FR 496 Internship/Practicum</strong>&lt;br&gt;Credits: 1 - 6&lt;br&gt;Hands-on experience in language and cultural studies at institutions and community organizations in the Western New York area.</td>
<td></td>
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<td></td>
<td>Christian Flaugh&lt;br&gt;Director of Undergraduate Studies&lt;br&gt;910 Clemens Hall&lt;br&gt;716-645-0879&lt;br&gt;<a href="mailto:cflaugh@buffalo.edu">cflaugh@buffalo.edu</a>&lt;br&gt;Instructor for FR 496 and 498: Jameson&lt;br&gt;Instructors for FR 499: Flaugh, Jameson, Graves Monroe, Ludwig, Thomas</td>
</tr>
<tr>
<td>Geography</td>
<td><strong>GEO 496 Geographic Internship</strong>&lt;br&gt;Credits: 3&lt;br&gt;For advanced students. Involves a work opportunity in a local governmental agency or firm. See the director of undergraduate studies for more information.</td>
<td></td>
<td></td>
<td></td>
<td>Peter Rogerson&lt;br&gt;Director of Undergraduate Studies&lt;br&gt;106 Wilkeson Quad&lt;br&gt;(716) 645-0483&lt;br&gt;<a href="mailto:rogerson@acsu.buffalo.edu">rogerson@acsu.buffalo.edu</a></td>
</tr>
<tr>
<td>Department</td>
<td>Course Description</td>
<td>Credits</td>
<td>Instructors</td>
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<td>-----------------------------------------------------------------------------</td>
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</tr>
</tbody>
</table>
| Geological Sciences      | **GLY 498 Undergraduate Research**                                                 | 1 - 3   | Jason Briner  
Director of Undergraduate Studies  
410 Hochstetter  
716-645-4326  
jbriner@buffalo.edu |
|                          | Students collaborate with faculty research mentors on an ongoing project in a faculty member's laboratory or conduct independent research under the guidance of a faculty member. This experience provides students with an inquiry-based learning opportunity and engages them as active learners in a research setting. |
|                          | **GLY 499 Independent Study**                                                     | 1 - 3   | Instructors for GLY 498:  
Allen, Briner, Bursik, Coffroth,  
Csatho, Giese Jr, Gregg, Lasker,  
Lowry, Mitchell, Valentine |
| German                   | **GER 496 Internship/Practicum**                                                  | 3       | Robert Hoeing  
Director of Undergraduate Studies  
639 Baldy Hall  
(716) 645-0130 |
|                          | Hands-on experience in language and cultural studies at institutions and organizations in Western New York and/or nationwide. |
|                          | **GER 498 Undergraduate Research**                                                | 1 - 8   | Instructors:  
Fertig, Hoeing |
|                          | Students collaborate with faculty research mentors on an ongoing project or conduct independent research under the guidance of a faculty member. This experience provides students with an inquiry-based learning opportunity and engages them as active learners in a research setting. |
|                          | **GER 499 Independent Study**                                                     | 1 - 16  | |
|                          | Allows independent and intensive research on a selected topic in German studies.   |         | |
| Global Gender Studies    | **GGS 496 Women's Studies Internship**                                            | 1 - 16  | Karen Reinard  
Graduate Secretary/Interim Undergraduate Secretary  
732 Clemens Hall  
Phone (716) 645-0797/2082  
Fax (716) 645-5976  
kreinard@buffalo.edu |
|                          | Hands-on experience in the field. Provides an opportunity for majors to put into practice feminist theories and concepts developed in their coursework. In addition to valuable experiential learning, an internship can be used as the first step towards a career, an excellent addition to a resume, and a source for job contacts and future references. Internships are available, for example, at Planned Parenthood, Erie County Commission of the Status of Women, Everywoman Opportunity Center, Inc., or in an area of the student's major concentration and interest. Department registration required. Permission of the internship and advisor required. |
|                          | **GGS 498 Undergraduate Research and Creative Activity**                          | 3       | Instructors for GGS 496:  
Thomas, Wejnert, Simmons,  
Varnado, Winter, Williams,  
McCarthy |
|                          | Students collaborate with faculty research mentors on an ongoing project in a faculty members' laboratory or conduct independent research under the guidance of a faculty member. This experience provides students with an inquiry-based learning opportunity and engages them as active learners in a research setting. Students will choose someone whose area of expertise is |
**GGS 499 Independent Study**  
Credits: 1 - 16  
Individualized student work under the guidance of a faculty member, intended to pursue topics not ordinarily offered through regular coursework. Individualized student work under the guidance of a faculty member, intended to pursue topics not ordinarily offered through regular coursework.

**Health and Human Services**  
Listed under Social Sciences Interdisciplinary.

**History**  
**HIS 496 Public History Internship**  
Credits: 3  
Students learn to connect their historical studies with the world outside the academy by doing an internship at a historical site or museum. Students must arrange the internship themselves. The internship site must have a strong connection to history; some local examples include the Buffalo and Erie County Historical Society, the Amherst Museum, Old Fort Niagara, and the Theodore Roosevelt Inaugural site. Students register for this course through the History Department’s Director of Undergraduate Studies.

**HIS 498 Undergraduate Research**  
Credits: 3  
Involves a research project arranged with and carried out under the guidance of a faculty member.

**HIS 499 Independent Study**  
Credits: 1 - 15  
Course topic and requirements arranged in consultation with instructor. Except in special circumstances, this course cannot be used to satisfy the department's seminar requirement.

**Industrial Engineering**  
**Co-op information listed under Engineering and Applied Sciences (School of).**  
**IE 496 Senior Capstone Internship**  
Credits: 3  
Semester(s): Spring  
Prerequisites: Senior standing in Industrial engineering (all required 300 level IE courses are prerequisites)  
A field experience working on an industrial engineering project in a manufacturing plant, hospital, library, police department, or similar location under the joint direction of a preceptor from industry and a faculty advisor. Projects are selected that integrate the material learned in academic courses. Requires a written report and an oral presentation.

**IE 498 Undergraduate Research**  
Credits: 1 - 3  
Semester(s): Fall, Spring and Summer  
Students collaborate with faculty research mentors on ongoing research of the faculty member or conduct independent research under the guidance of a faculty member.

**IE 499 Independent Study**  
Credits: 1 - 12  
Semester(s): Fall, Spring and Summer
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>UBE496 Diversity Advocates</td>
<td>1 - 3</td>
<td>Students increase their understanding of particular areas of interest including leadership, diversity, health and wellness, career planning, and more through educational and work experience in various Student Affairs offices.</td>
<td></td>
</tr>
<tr>
<td>UBE496 Leadership Internship</td>
<td>1 - 3</td>
<td>Students increase their understanding of particular areas of interest including leadership, diversity, health and wellness, career planning, and more through educational and work experience in various Student Affairs offices.</td>
<td></td>
</tr>
<tr>
<td>ITA 498 Undergraduate Research and Creative Activity</td>
<td>1 - 6</td>
<td>Students collaborate with faculty research mentors on an ongoing faculty research project or conduct independent research under the guidance of a faculty member.</td>
<td>Christian Flaugh</td>
</tr>
<tr>
<td>ITA 499 Independent Study</td>
<td>1</td>
<td>Students who have demonstrated the ability to perform upper-level coursework may wish to research a topic not available through regular course offerings. Requires permission of a supervising faculty member.</td>
<td>Instructors: Chiesa, Ugolini</td>
</tr>
<tr>
<td>LIN 496 Internship</td>
<td>2 - 6</td>
<td>Language teaching experience either in a UB department (Linguistics, a language department, English Language Institute, etc.), in the Buffalo public schools, or at a public service agency (International Institute of Buffalo, Herman Badillo Institute, Literacy Volunteers, etc.). Open to majors and non-majors. Apply to director of undergraduate studies.</td>
<td>Jeffrey Good</td>
</tr>
<tr>
<td>LIN 499 Independent Study</td>
<td>1 - 12</td>
<td>Apply to director of undergraduate studies.</td>
<td>Instructor for LIN 496: Jaeger</td>
</tr>
<tr>
<td>MGA 496 Accounting Practicum</td>
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<td><a href="http://mgt.buffalo.edu/internships/students">http://mgt.buffalo.edu/internships/students</a></td>
</tr>
<tr>
<td>MGF 496 Finance Practicum</td>
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<tr>
<td>MGI 496 Human Resources Practicum</td>
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</table>
### MGM 496 Marketing Practicum

**MGS 496 MIS (Management Information Systems) Practicum**  
**MGT 496 General Management Practicum**  
**Credits:** 1 - 3  
**Prerequisites:** Accepted School of Management graduate students, seniors and qualified juniors. Provides students with an opportunity to apply classroom theories to real-life situations. Students have the opportunity to send resumes to internship employers within the BizLink system and if selected, will interview for the internship opportunity. Student may also bring in internship descriptions secured through their own networking activities for approval. Each site is required to assign a specific project to the student to be completed within 150 hours during the course of the semester. Students work under the supervision of a professional and receive exposure to the day-to-day operations within a professional setting.

Carrie Gardner, Director  
Office of Internships and Experiential Learning  
308 Alfiero center  
(716) 645-5907  
cg53@buffalo.edu

### Mathematics

**MTH 496 Internship in Mathematics**  
**Credits:** 1 - 4  
**Semester(s):** Fall and Spring  
**Prerequisites:** Accepted math major, junior/senior standing with a minimum of 24 credits in mathematics, permission of director of undergraduate studies  
Students get field experience in mathematical employment, in business, industry or education, working under the joint supervision of an off-campus supervisor and a university faculty member, usually the director of undergraduate studies. May be taken once only.

**MTH 499 Independent Study**  
**Credits:** 1 - 4  
**Semester(s):** Fall and Spring  
Individual study arranged between student and faculty member in an area of mathematics of particular interest to the student.

Bernard Badzioch  
Director of Undergraduate Studies  
108/ Mathematics Building  
(716) 645-8798  
badzioch@buffalo.edu

Contact Instructor/Faculty for further information

### Mechanical Engineering

**Listed under Engineering and Applied Sciences (School of) for Co-Op Program information.**

**MAE 496 Engineering Internship**  
**Credits:** 3  
**Semester(s):** Fall and Spring  
**Prerequisites:** Senior standing and permission of instructor  
Provides experience in real-world engineering problems for senior mechanical and aerospace students. Assigns projects from local industry. Normally requires students to spend eight hours weekly in an engineering office. Students must present written and oral reports. Students interested in an internship or co-op experience should also consider the **EAS 396 and EAS 496** sequence.

**MAE 498 Undergraduate Research & Creative Activity**  
**Credits:** 1 - 3  
**Semester(s):** Fall, Spring and Summer  
Students collaborate with faculty research mentors on an on-going project in a faculty member's laboratory or conduct independent research under the guidance of a faculty member. This experience provides students with an inquiry based learning opportunity and engages them as active learners in a research setting. Arrangements must be made with a specific faculty member before registration.

Kerry Collins-Gross  
Assistant Dean for Undergraduate Education  
410 Bonner Hall  
716-645-0960  
collinsk@buffalo.edu

Instructors for MAE 496: Armstrong, Bennett, Cormier

Instructors for MAE 498: Yoo, Armstrong, Cormier, Tarkesh

Contact Instructor/Faculty for further information
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Semester(s)</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAE 499 Independent Study in Mechanical Engineering</strong></td>
<td>1-3</td>
<td>Fall and Spring</td>
<td></td>
<td>Independent engineering projects or reading courses may be arranged with individual faculty members. Students must make arrangements with a specific faculty member for work on a particular topic before registering.</td>
</tr>
<tr>
<td><strong>Media Study</strong></td>
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<tr>
<td><strong>DMS 496 Media Arts Internship</strong></td>
<td>1-4</td>
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<tr>
<td><strong>DMS Internship</strong></td>
<td>1-8</td>
<td>Fall and Spring</td>
<td></td>
<td>The Department of Media Study has a number of partnerships with local companies, galleries, organizations, broadcasting stations, etc., and students can request a list of these organizations from the department. In addition, the Department of Media Study is developing a number of summer and semester-long internship possibilities with media studios and corporations in Los Angeles, New York City and other media centers. We encourage students to explore their own internship opportunities (at production studios, local TV studios, and media access centers, for example). Students have recently interned with the David Letterman show, MTV, NYC-TV, Tricoast Studios, Late Night with Conan O'Brien, the Black Entertainment Network (BET), Human Code, Fireant Design, and the Buffalo Pan Am Exposition project.</td>
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<tr>
<td><strong>DMS 499 Independent Study</strong></td>
<td>1-8</td>
<td>Fall, Spring</td>
<td></td>
<td>There may be a class fee assessed to your student account.</td>
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<tr>
<td><strong>Medical Technology</strong></td>
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<tr>
<td><strong>MT 496 Internship in Biotechnology</strong></td>
<td>1-12</td>
<td>Fall, Spring and Summer</td>
<td>MT 302, MT 401, MT 402</td>
<td>A one-semester, variable credit internship at a biotechnology site. includes participation in one or more projects selected to integrate the materials learned in academic courses. Placement is accomplished by the program director, based on the coursework completed and interest of the student. Generally requires an interview at the biotechnology site before placement.</td>
</tr>
<tr>
<td><strong>MT 499 Independent Study</strong></td>
<td>1-4</td>
<td>Fall, Spring and Summer</td>
<td></td>
<td>Involves method and equipment evaluations or other short-term projects, arranged in consultation with individual faculty members.</td>
</tr>
<tr>
<td><strong>Medical Technology</strong></td>
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<tr>
<td><strong>MCH 498 Undergraduate Research Participation in Medicinal Chemistry</strong></td>
<td>1-6</td>
<td>Fall and Spring</td>
<td>CHE 202 or CHE 252; CHE 301</td>
<td>Involves projects in medicinal chemistry involving a literature search and lab work.</td>
</tr>
<tr>
<td><strong>MCH 499 Independent Studies</strong></td>
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<tr>
<td>Course Code</td>
<td>Course Name</td>
<td>Credits</td>
<td>Semester(s)</td>
<td>Prerequisites</td>
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</tbody>
</table>
| Credits: 1 - 12 | Semester(s): Fall and Spring | **MUS 499 Independent Study** | 1 - 4 | Open to music majors engaged in special study or research in areas not covered by regular courses; permission of the supervising faculty member. | Karen Sausner  
Director of Student Programs  
226 Baird Hall  
(716) 645-2759  
ksaunsnr@buffalo.edu  
http://www.music.buffalo.edu |
| | | **MTR 496 Internship Music Theatre** | 2 - 4 | An internship position with a professional company or educational institution. Focuses on actual "field" experience to enhance the student's preparation for a professional career in musical theatre. | Mary Casarella  
Assistant to the Chair and  
undergraduate advisor  
281 Alumni Arena  
(716) 645-0604  
mollycas@buffalo.edu |
| | | **MTR 499 Independent Study** | 1 - 4 | Prerequisites: Junior standing  
Substantial independent research or applied project under the supervision of a faculty member | Contact Instructor/Faculty for further information |
| | | **NMD 496 Clinical Rotation** | 12 | Prerequisites: senior standing in nuclear medicine technology  
Provides practical experience in various clinical facilities; including static, dynamic, SPECT and PET imaging; in vivo functions studies; instrument operation-gamma cameras and probe devices; health physics, radiopharmaceutical preparation, nuclear cardiology and computerized data systems. | Elpida Crawford  
Program Director  
105 Parker Hall  
(716) 838-5889  
esc@buffalo.edu |
| | | **NMD 498 Undergraduate Research** | 1 | Prerequisites: Junior Standing  
Students will collaborate with a faculty mentor on an ongoing research project or conduct an independent research project under faculty supervision. This project may relate to any aspect of nuclear medicine, including basic science of nuclear medicine or clinical practice. | Elpida Crawford |
| | | | | | Margaret S Grinslade  
School of Nursing  
Assistant Dean for Undergraduate |
| | | **NUR 447 Advanced Clinical Nursing** | 3 | | Marsha L. Lewis  
Dean and Professor  
School of Nursing  
102A Wende Hall  
716-829-3221  
ubnursingdean@buffalo.edu |
| | | **NUR 496 : Issues In Clinical Practice** | | | Margaret S Grinslade  
School of Nursing  
Assistant Dean for Undergraduate |
Accompanies a summer clinical experience in which students provide patient care at a health-care agency in the Buffalo area. Focus of discussions is on issues that arise out of patient care and the clinical setting such as communication, clinical skills, interactions with colleagues, and documentation of care that is provided. Must be taken in program sequence.

**NUR 499 Independent Study**  
Credits: 1 - 4  
Semester(s): Fall, Spring and Summer  
Supplements regular offerings of the department. Students must secure the instructor’s permission before registering for an independent study.

<table>
<thead>
<tr>
<th>Occupational Therapy</th>
<th>Fieldwork and clinical rotations built into academic program.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>During the second semester of the fourth year, students’ progress to the MS component of the program. At this time, students register for six months of full-time supervised fieldwork experience.</td>
</tr>
<tr>
<td></td>
<td>Students choose fieldwork sites by a lottery system and in consultation with the fieldwork director. Additional fieldwork experiences in such specialized areas of practice as developmental disabilities, substance abuse, and ergonomics are available as electives. The department maintains clinical affiliation agreements with more than 150 health-care facilities throughout the United States for student placement. Students should expect to leave the Western New York area to fulfill this requirement.</td>
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<td></td>
<td>Upon completion of fieldwork, students return to the campus for the fifth year of the program. Students must successfully complete fieldwork prior to the start of the fifth year.</td>
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</table>

**OT 560 Level 2 Fieldwork**  
Credits: 9  
Semester(s): Spring  
Prerequisites: Graduate level  
Three months of full-time supervised fieldwork experience following the completion of required applied practice academic courses. This fieldwork experience will take place in a clinical site related to physical disabilities.

**OT 561 Level 2 Fieldwork**  
Credits: 9  
Semester(s): Fall  
Prerequisites: Graduate level  
Three months of full-time supervised fieldwork experience following the completion of required applied practice academic courses. This fieldwork experience will take place in a clinical site related to physical disabilities.

| Pharmaceutical Sciences | PHC 498 Undergraduate Research and Creative Activity  
Credits: 1 - 8  
Semester(s): Fall and Spring  
Involves lab and/or literature research participation on current problems. |
|-------------------------|---------------------------------------------------------------|
|                         | **PHC 499 Independent Study**  
Credits: 1 - 5  
Semester(s): Fall and Spring  
Involves development and assessment, through literature review and discussions, of a topic of student interest. |

Department of Rehabilitation Science  
School of Public Health and Health Professions  
501 Kimball Tower  
South Campus  
Buffalo, NY 14214-3079  
Phone 716-829-3141  
sphhp.buffalo.edu/rehabilitation-science/education/occupational-therapy-bsms.html

Kathleen M. K. Boje  
Undergraduate Director and Advisor  
283 Kapoor Hall  
(716) 645-4829  
boje@buffalo.edu

Sara Robinson  
Associate Director of Admissions and Advisement  
273 Kapoor Hall
<table>
<thead>
<tr>
<th>Course Area</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
<th>Instructor/Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharmacology and</td>
<td>PMY 498 Undergraduate Research Participation in Pharmacology and Toxicology</td>
<td>1 - 12</td>
<td></td>
<td>Direct involvement in original research involving a literature search and laboratory work.</td>
<td>David E. Shubert (716) 829-2194</td>
</tr>
<tr>
<td>Toxicology</td>
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<tr>
<td>Philosophy</td>
<td>PHI 498 Undergraduate Research and Creative Activity</td>
<td>1 - 8</td>
<td></td>
<td>Semester(s): Fall, Spring Students who wish to work as research assistants in the Experimental Epistemology Research Group should send an unofficial copy of their university transcript and a brief statement of why they would like to be involved with this research to Dr. James Beebe (<a href="mailto:jbeebe2@buffalo.edu">jbeebe2@buffalo.edu</a>). Students accepted to serve as research assistants will register for one credit-hour of PHI 498 (sec. BEE). Responsibilities include administering short surveys, entering survey data into spreadsheets, sometimes doing background research on new avenues for experimental research. Suggested Skill Set: A highly motivated Junior or Senior with a minimum GPA of 3.0 is desired/preferred but talented Freshmen and Sophomores will be considered. Students must be reliable, able to interact comfortably and clearly with a range of people, and possess good communication and organizational skills. No previous research experience necessary. Time commitment is expected to be about 3 hrs per week. Interest in cognitive science desired.</td>
<td>David Hershenov <a href="mailto:dh25@buffalo.edu">dh25@buffalo.edu</a></td>
</tr>
<tr>
<td>Philosophy</td>
<td>PHI 499 Independent Study</td>
<td>1 - 8</td>
<td></td>
<td>Semester(s): Fall, Spring</td>
<td>James M. Lawler <a href="mailto:jlawler@buffalo.edu">jlawler@buffalo.edu</a></td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>PT 511 Practicum in Health and Wellness</td>
<td>3</td>
<td>Graduate level</td>
<td>This course prepares the future physical therapist to interact with patients and other related individuals on all levels. A primary goal for the practicum is for students to gain an appreciation of health and wellness programs available in the community. The second important goal is to give the student the opportunity to practice interacting with clients. To develop these skills takes practice, and the most meaningful practice is that which occurs in the community rather than in an academic setting.</td>
<td>Department of Rehabilitation Science sphihp.buffalo.edu/rehabilitation-science/education/doctor-of-physical-therapy-dpt.html</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>PT 512 Clinical Experience I</td>
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<tr>
<td>Physical Therapy</td>
<td>PT 613 Clinical Experience II</td>
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<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Prerequisites</td>
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<tr>
<td>PT 614</td>
<td>Clinical Internship</td>
<td>4</td>
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<td>These courses prepare the future physical therapist to interact with patients, patient's families, and other related individuals on all levels. To accomplish this, students will participate in direct patient care in an inpatient or outpatient setting with emphasis on patient management with chronic cardiac or pulmonary conditions under the supervision of a volunteer adjunct clinical faculty member. Students will be required to maintain a “full” caseload of patients by the conclusion of the clinical experience. Clinical experience utilizes direct patient care and recitation/seminar format, to facilitate the student development of problem solving and critical analysis of patient care.</td>
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<tr>
<td>PT 712</td>
<td>Clinical Residency</td>
<td>6</td>
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<tr>
<td>PT 713</td>
<td>Clinical Residency II</td>
<td>6</td>
<td></td>
<td>Prerequisites: successful completion of year one, two, and three in DPT Program</td>
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<tr>
<td>PHY 498</td>
<td>Undergraduate Research</td>
<td>1 - 3</td>
<td></td>
<td>Allows students to earn credit for research activities under the direction of a physics faculty member.</td>
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<tr>
<td>PHY 499</td>
<td>Independent Study in Physics</td>
<td>1 - 4</td>
<td></td>
<td>Involves individual study arranged between a student and a faculty member. Not restricted to students with professional goals in technical areas.</td>
<td></td>
</tr>
<tr>
<td>PSC 496</td>
<td>Political Science Internship</td>
<td>1 - 15</td>
<td></td>
<td>Students are responsible for finding the internship and it must be related to previous coursework that the student has completed or will be taking during the internship. Internships are commonly in a government office or agency in Western New York, but may involve work in other politically relevant organizations. --</td>
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</tbody>
</table>

**Physics**

**Political Science**

**Community Internship Program** - Involves service with state legislators from the area, city or county government, or various public agencies. Work includes policy research, drafting legislation, field investigations, program evaluations, and contacts with other organizations.

**Washington Semester Internship Program** - Involves a semester placement in Washington under the direction of a SUNY Brockport Program Officer. Participation includes an internship, a research seminar, and a research paper. -

---

Bernard Weinstein  
Director of Undergraduate Studies  
239 Fronczak Hall  
(716) 645-6730  
phyberni@buffalo.edu

Information on undergraduate research and mentorship.  
http://www.physics.buffalo.edu/undergraduate/undergraduateResearchMentors.htm

James Battista  
Director of Undergraduate Studies  
520 Park Hall  
(716)- 645-8438  
jbattist@buffalo.edu

Refer to website for application forms:  
http://www.polsci.buffalo.edu/undergraduate/internship_program/  
Contact Instructor/Faculty for further information
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Semester(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NYS Legislative Internship Program</strong></td>
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<td>Involves semester placement in the Albany office of a state senate or assembly member; requires forty-plus-hour weeks as legislative assistants under a professional staff member's guidance. Also requires special readings, weekly seminar, short reports, and a major research paper, under the direction of SUNY faculty-in-residence.</td>
</tr>
<tr>
<td><strong>PSC 499 Independent Study</strong></td>
<td>1 – 3</td>
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<tr>
<td><strong>Psychology</strong></td>
<td></td>
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<tr>
<td><strong>PSY 496 Supervised Applied Experience</strong></td>
<td>1 - 8</td>
<td>psychology major</td>
<td>Fall, Spring</td>
<td>A program of applied work in a community, government, or private agency or organization related to the major in psychology. Must be agreed upon by the student and a faculty sponsor in the department. Credit does not count toward the major. Graded P/F.</td>
</tr>
<tr>
<td><strong>PSY 498 Undergraduate Research</strong></td>
<td>1 - 8</td>
<td>psychology major</td>
<td>Fall, Spring</td>
<td>A program of supervised research to be agreed upon by the student and a faculty sponsor in the department, including procedures for evaluating student performance. Student receives a letter grade.</td>
</tr>
<tr>
<td><strong>PSY 499 Independent Study</strong></td>
<td>1 - 8</td>
<td>psychology major</td>
<td>Fall, Spring</td>
<td>A program of scholarship to be agreed upon by the student and a faculty sponsor in the department, including procedures for evaluating student performance. Student receives a letter grade.</td>
</tr>
<tr>
<td><strong>School of Engineering and Applied Sciences</strong></td>
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<tr>
<td><strong>EAS 496 Co-Op</strong></td>
<td>2 per semester (plus pay)</td>
<td></td>
<td>Fall, Spring, Summer</td>
<td>Up to three work periods of engineering-related employment. Co-op students are employed full-time on paid, credit-worthy technical assignments in industry, with emphasis on practical application of engineering coursework. While each student is registered for two credit hours, full-time status at the University is afforded the student. The course goal is to provide valuable experience for students, while making positive contributions to employers. This win/win combination is designed to enhance participating students' employment opportunities upon commencement.</td>
</tr>
<tr>
<td><strong>Social Sciences Interdisciplinary</strong></td>
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<tr>
<td><strong>SSC 496 Internship</strong></td>
<td>1 - 6</td>
<td></td>
<td>Fall, Spring, Summer</td>
<td>The Interdisciplinary majors in Health and Human Services, Environmental Studies and Legal Services. Internship opportunities in various fields related to these disciplines.</td>
</tr>
</tbody>
</table>

**Contact Information**

- **Dr. James Sawusch**  
  Director of Undergraduate Studies  
  360 Park Hall  
  (716) 645-0238  
  jsawusch@buffalo.edu

- **Christa Greenberg**  
  Coordinator, Undergraduate Studies Program  
  Psychology Academic Advisor  
  283 Park Hall  
  (716) 645-0205  
  cmgreen@buffalo.edu

- **Kerry Collins-Gross**  
  Assistant Dean  
  410a Bonner Hall  
  (716) 645-0960  
  collinsk@buffalo.edu

- **http://sscidp.buffalo.edu/internship**

- **Sandra Handy**  
  Internship Director  
  203 Clemens Hall
Studies offer opportunities to incorporate internship experiences into the undergraduate major. Internships offer students the opportunity to experience a community placement in the Buffalo area where the topics they have studied or the skills they have developed are expressed in a real life setting. Internships are senior level opportunities.

**SSC 499 Independent Study**

Credits: 1 - 4  
Semester(s): Fall, Spring  
Various instructors offer independent study. Check with the Office of Interdisciplinary Degree Programs each semester.

**SOC 496 Internship Program**

Credits: 1 - 6  
Prerequisites: open to sociology majors with junior or senior class standing only. Typically conducted in a community agency, government office, or private setting. Gives students the opportunity to observe and participate in a variety of work experiences related to sociology.

**SOC 499 Independent Study**

Credits: 1 - 12  
A program of work agreed upon by the student and a faculty sponsor. Requires a faculty sponsor in the department before registering.

**SPA 496 Internship/Practicum**

Credits: 1 - 6  
Hands-on experience in language and cultural studies at institutions and community organizations in the Western New York area.

**SPA 498 Undergraduate Research and Creative Activity**

Credits: 1 - 6  
Students collaborate with faculty research mentors on an ongoing faculty research project or conduct independent research under the guidance of a faculty member.

**SPA 499 Independent Study**

Credits: 1 - 12  
Open only to students who have taken at least two courses at the 300/400 level and have a minimum GPA of 3.0 in their Spanish major or minor. Students must design a course of study they want to undertake in one semester. They choose a professor whose area of expertise most closely approximates their topic and must consult with the professor prior to registering for the course. The topic must not duplicate the content of a regular course.

**Special Major**

Internships must be proposed and approved by special major advisor.

---

Handy, Geffner  
Contact Instructor/Faculty for further information

Kristen Schultz Lee  
Associate Professor  
430 Park Hall  
716 645-8469  
kslee4@buffalo.edu

Instructors for SOC 496:  
Trautner, Street

Instructors for SOC 499:  
Berry, Su, Street, Grol-Prokopczyk, Granfield, Hoffman, Howe, Moore, Mele, Adelman, Blair, Hatton, Farrell, Wagmiller, Trautner, Lee, Arditi

Christian Flaugh  
Director of Undergraduate Studies  
910 Clemens Hall  
716-645-0879  
cflaugh@buffalo.edu

Michael Kustreba  
Chair, Special Major Committee  
Special major Program  
275 Park Hall
<table>
<thead>
<tr>
<th>Course</th>
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<th>Prerequisites</th>
<th>Semester(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDS 498 Undergraduate Research and Creative Activity</td>
<td>1 - 3</td>
<td></td>
<td>Fall, Spring</td>
<td>Students collaborate with faculty research mentors on an ongoing project in a faculty member's laboratory or conduct independent research under the guidance of a faculty member. This experience provides students with an inquiry-based learning opportunity and engages them as active learners in a research setting.</td>
</tr>
<tr>
<td>CDS 499 Independent Study</td>
<td>1 - 4</td>
<td>Permission by petition</td>
<td>Fall, Spring</td>
<td>Individualized student work under the guidance of a faculty member, intended to pursue topics that are not currently offered through regular coursework at the university.</td>
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<tr>
<td>TH 496 Art Management Internship</td>
<td>1 - 4</td>
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<td>Practical, hands-on experience. Includes work in the areas of promotion, public relations, theatre management, box office, ushering, etc.</td>
</tr>
<tr>
<td>TH 499 Independent Study</td>
<td>1 - 4</td>
<td>Department majors, permission of instructor only</td>
<td></td>
<td>Substantial independent research or applied project under the supervision of a faculty member.</td>
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<tr>
<td>ART 496</td>
<td>1 - 5</td>
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<td>Choose from the following:</td>
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<tr>
<td>Arts Management Internship</td>
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<td>Students are assigned to art galleries or other institutions within the university or the community to get hands-on experience as interns. May be repeated once in a different location.</td>
</tr>
<tr>
<td>Communication Design Internship</td>
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<td>An arranged experience within an agency and the printing industry familiarizes students with actual working conditions and considerations; students observe and participate in design for publication, mechanicals, and other facets of graphic arts production. May be repeated second semester.</td>
</tr>
<tr>
<td>Photography Internship</td>
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<td></td>
<td></td>
<td>Internship at an art gallery or with a commercial, portrait, or architectural photographic firm; provides professional experience and familiarizes students with</td>
</tr>
</tbody>
</table>
**Print Media Internship** - Provides professional experience and familiarizes students with practices and expectations in the field. An internship may be arranged with a commercial or not-for-profit print studio or gallery.

**AHI 496 Museum Internship**

Credits: 1 - 5

Museum and gallery internships are available at such institutions as the Albright-Knox Art Gallery, the CFA Art Gallery, the University Art Gallery, the Amherst Museum, and the Castellani Art Museum of Niagara University. The opportunity is by permission only. Students are encouraged to take AHI 480 Museum Studies, before applying for an internship.

Must be junior or senior accepted major. Students must get faculty support and fill out internship request form. Placement is made in conjunction with faculty and includes design firms; commercial photographers; established art institutions or alternative art spaces.

Semester-long internships in New York City are also available to students concentrating in graphic design. 16-17 credits are awarded for this experience.

| Wellness Education Services | UBE496 Special Projects Wellness | Susan A Mann Dolce  
Associate Director  
Accessibility Resources  
(716) 645-3068  
samann@buffalo.edu  
Instructors:  
Darrow, Butch, Cochran |
|----------------------------|---------------------------------|-----------------------------------------------|
| Wellness Education Services | UBE496 Special Projects Wellness | Credits: 1 - 3  
Students increase their understanding of particular areas of interest including leadership, diversity, health and wellness, career planning, and more through educational and work experience in various Student Affairs offices. |

**Special Courses Opportunities**

The University at Buffalo recognizes the importance of opportunities for students to integrate the material that they have learned during their time at UB and to participate in faculty research and other practical experiences. A distinctive aspect of undergraduate education at UB is the opportunity for students to work closely with faculty who are actively engaged in research and scholarship. Significant opportunities for participation in UB’s local and regional public service mission are available through fieldwork, practica, internships, and related learning activities. As such, the following course numbers are reserved for special opportunities.

Many of these opportunities are considered to be tutorial coursework, conducted individually with a faculty member. The integrity of the degrees granted by UB requires that a substantial portion of the 120 credits of coursework required for these degrees be completed in lecture, seminar, and/or laboratory courses which have been reviewed and approved by appropriate faculty committees; therefore, no more than 18 credits of tutorial coursework can count toward the credits required for graduation with a bachelor’s degree.

**494 Senior Capstone Courses**
These courses provide opportunities for students to integrate knowledge from lower-level courses. Frequently they are taught in seminar format; students work closely with faculty members and other students in their department to apply classroom knowledge to practical, real-world situations. Topics may vary, and usually focus on faculty and student interests.

495 Undergraduate Supervised Teaching
The university recognizes the value of using Undergraduate Teaching Assistants (UTAs), both as a learning experience for those who are teaching and in bringing their unique perspectives and approaches to the classroom. However, it is important that the following guidelines be followed to ensure quality teaching and learning experiences. In order to serve as an Undergraduate Teaching Assistant, students must meet the following minimum requirements:

- Must have at least junior status (at least 60 credit hours completed);
- Must have an overall GPA of 3.0 or higher; and
- Must have received a grade of A- or better in the course in which they are to assist or in a course taken elsewhere that is equivalent.

Each course must be approved for UTA use prior to UTAs being appointed.

496 Internships
A number of departments offer hands-on experience in the field as part of their course offerings or degree requirements. Many of these experiences are described in the Academic Programs section of this catalog. Participation in these experiences is governed by policies placed by the offering department.

497 Departmental Honors
Each department may award Program Honors which includes a minimum GPA requirement and a senior thesis or project as defined by the department. Students completing the thesis or project component of the program should register for their department’s 497 course. Departments also have the option to award the Program Distinction designations of “with highest distinction,” “with high distinction,” and “with distinction” to students who achieve a certain level of academic excellence and creativity. Criteria vary from department to department. Enrollment in a departmental honors program may be a prerequisite for registration in a 497 course. Students should be directed to consult with their departmental advisor regarding the awarding of departmental honors.

498 Undergraduate Research
Students collaborate with faculty mentors on an ongoing faculty research or creative activity project, or conduct independent research under the guidance of a faculty member. This experience provides students with an inquiry-based learning opportunity and engages them as active learners in a research or creative activity setting. Either the student’s own project or the faculty member’s project to which the student is contributing should utilize the methods for creating new knowledge that are recognized in the field and should result in a unique contribution to the field of knowledge. For more information about Undergraduate Research at UB, see the Center for Undergraduate Research and Creative Activities website.

499 Independent Study
Students have the option of individualized student work under the guidance of a faculty member. Independent Study courses are intended to pursue topics that are not currently offered through regular coursework at UB. In some cases, independent study may be the focal point in the design of an individual program. In others, it may merely add desired depth or breadth to a student’s formal degree program. To enroll in independent study, students must identify a member of the faculty or appropriate professional staff member willing to sponsor their work and gain approval of the appropriate department.