INTERDISCIPLINARY COURSES (C A L S) (INTER-AG)

INTER-AG 1 – COOPERATIVE EDUCATION PROGRAM
1 credit.

Full-time work experience which combines classroom theory with practical knowledge of operations to provide students with a background upon which to base a professional career.
Requisites: Consent of instructor
Course Designation: Workplace - Workplace Experience Course
Repeatable for Credit: Yes, unlimited number of completions
Learning Outcomes: 1. Apply classroom knowledge to authentic work experiences
Audience: Undergraduate

INTER-AG 2 – INTERNATIONAL INTERNSHIP IN SCIENCES
1 credit.

For students undertaking internships in international locations; focus on pre-internship preparation and post internship activities; internships prepare students for graduate school or careers in applied science.
Requisites: Consent of instructor
Repeatable for Credit: No

INTER-AG 140 – CALS QUICKSTART: FOUNDATIONS
1 credit.

Gain exposure to the College of Agricultural and Life Sciences (CALS) and UW-Madison, including resources and opportunities available as well as the foundational skills necessary for a successful transition to campus. Modules focus on your personal, academic, and professional development. Reflect on your goals and engage with peers to develop a roadmap for your own Wisconsin Experience.
Requisites: None
Repeatable for Credit: No
Last Taught: Summer 2023
Learning Outcomes: 1. Articulate your strengths and reflect on how they manifest across different aspects of your academic, personal, and professional experience
Audience: Undergraduate

2. Understand core campus values and the purpose of a liberal education and relate these concepts to real-life examples
Audience: Undergraduate

3. Gain a baseline understanding of social identity and ways to expand your perspective/develop empathy for identities outside your own
Audience: Undergraduate

4. Explore the CALS Priority Themes and understand how many academic and career pathways can converge around a singular theme
Audience: Undergraduate

5. Develop strategies to anticipate and successfully navigate any college transition-related challenges you may face
Audience: Undergraduate

6. Apply knowledge of campus resources and opportunities to set attainable goals for your first-year and beyond
Audience: Undergraduate

INTER-AG 141 – QUICKSTART: CONNECT2CAMPUS
1 credit.

Gain first-hand exposure to the variety academic, co-curricular and professional opportunities available to you in the College of Agricultural and Life Sciences (CALS) and broader UW-Madison campus. Through workshops and dialogue, consider how you will positively contribute to the campus community. Connect with fellow students, faculty, staff, alumni, and industry leaders, and translate these experiences into actionable plans to reach your academic and career goals.
Requisites: INTER-AG 140
Repeatable for Credit: No
Last Taught: Summer 2019
Learning Outcomes: 1. Draw connections between the CALS priority themes and research happening in the College, state, and the world.
Audience: Undergraduate

2. Take actionable steps toward creating a more inclusive campus community.
Audience: Undergraduate

3. Understand the facets of personal wellness, strategies to maintain and improve your own wellness, and approaches to help support your peers' wellness.
Audience: Undergraduate

4. Utilize core academic planning tools including DARS, Course Guide, and Degree Planner, as well as implement learning and time management strategies that will support you in your college transition.
Audience: Undergraduate

5. Articulate core skills and traits employers seek, as well as strategies to develop in these areas.
Audience: Undergraduate

6. Develop an initial network of fellow students, faculty, and staff that will be part of your campus experience, as well as the confidence to continue to expand and grow these relationships .
Audience: Undergraduate

INTER-AG 155 – ISSUES IN AGRICULTURE, ENVIRONMENT, AND LIFE SCIENCES
1 credit.

Explore important issues in the application of science that cut across all majors in the College of Agricultural and Life Sciences, and that are critical for society in coming decades. Develop academic skills and explore majors and careers.
Requisites: None
Course Designation: Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2024

INTER-AG 175 – WISE SEMINAR
1 credit.

Women in Science and Engineering (WISE) learning community seminar, with speakers drawn from all fields of math, science, and engineering on campus. Learn about research on campus and discuss the impact of research on daily life.
Requisites: Member of Women in Science & Engineering (WISE) Residential Learning Community
Course Designation: Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, for 2 number of completions
Last Taught: Spring 2024

INTER-AG/INTER-LS 250 – UNDERGRADUATE RESEARCH EXPERIENCE
1-3 credits.

Participation in research or creative endeavor led by faculty or instructional staff. May include participation in research discussion groups, critiques of readings, and preparation of written or oral reports.
Requisites: Member of Undergraduate Research Scholars Program
Course Designation: Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024

INTER-AG 288 – INTRODUCTORY CALS HONORS SEMINAR
1 credit.

Learn the basics of being a researcher: the scientific community (papers, etiquette, grants), ethics, career options, using the scientific literature, and preparation of research proposals.
Requisites: Declared in a College of Agricultural and Life Sciences (CALS) Honors program
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Honors - Honors Only Courses (H)
Repeatable for Credit: No
Last Taught: Spring 2024

INTER-AG 321 – STUDY ABROAD PRE-DEPARTURE SEMINAR
1 credit.

Explores topics and issues related to a specific theme and region or country of the world, ensuring a foundation of knowledge and understanding for the hands-on experiences as part of an instructor-led study abroad program.
Requisites: Consent of instructor
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024
Learning Outcomes: 1. Explain cultural theories, stumbling blocks to intercultural communication, and demonstrate new knowledge and attitudes to successfully complete a study abroad experience.
Audience: Undergraduate

2. Describe your home and host culture, people, and places.
Audience: Undergraduate

3. Prepare for living, traveling, and studying in a new environment.
Audience: Undergraduate

4. Demonstrate an understanding of culture shock and reflect on ways of managing the effects.
Audience: Undergraduate

5. Explain successful practices to remain healthy and ensure safety while abroad.
Audience: Undergraduate

INTER-AG 340 – CAREER AND LEADERSHIP DEVELOPMENT FOR INTERNS
1 credit.

Career development process including: the job search, resume and cover letter writing, networking, inclusive workplaces, and conflict resolution. Synthesize internship experience and peers' internship experiences within the larger context of personal and professional goals, strengths, and values.
Requisites: Consent of instructor
Course Designation: Workplace - Workplace Experience Course
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Summer 2023
Learning Outcomes: 1. Synthesize and reflect on internship experience, as well as relate that experience to peers, in an effort to better understand new areas of work, and potential career interests
Audience: Undergraduate

2. Articulate personal and professional goals based on the internship experience.
Audience: Undergraduate

3. Relate the role of interests, skills, strengths, values, and experiences to the career decision-making process.
Audience: Undergraduate

4. Create and tailor professional writing related to the job search process.
Audience: Undergraduate

INTER-AG 375 – SPECIAL TOPICS
1-4 credits.

Topics of current interest to undergraduates.
Requisites: None
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Summer 2019

INTER-AG 388 – CALS HONORS - FUNDAMENTALS OF RESEARCH SEMINAR
1 credit.

Introduction and exploration of the fundamentals of research: scientific process, utilization of scientific literature, and preparation of research proposals. Provides an environment external to the student's research experience that will help them grow as researchers.
Requisites: INTER-AG 288
Course Designation: Honors - Honors Only Courses (H)
Repeatable for Credit: No
Last Taught: Spring 2024
Learning Outcomes: 1. Apply the scientific method and formulate research questions effectively.
Audience: Undergraduate

2. Effectively read and objectively critique a published scientific article.
Audience: Undergraduate

3. Develop and write a research proposal.
Audience: Undergraduate

INTER-AG 397 – INTERNATIONAL INTERNSHIP OR RESEARCH IN THE SCIENCES
1-6 credits.

Provides an area equivalency for science internship or research taken on UW-Madison approved study abroad programs. Current enrollment in a UW-Madison study abroad program.
Requisites: None
Repeatable for Credit: Yes, unlimited number of completions
Learning Outcomes: 1. Apply concepts learned in coursework to authentic professional/research situations
Audience: Undergraduate

2. Identify and reflect on how concepts learned in coursework apply to specific research or internship settings and situations
Audience: Undergraduate

INTER-AG/NUTR SCI 421 – GLOBAL HEALTH FIELD EXPERIENCE
1-4 credits.

Specialized educational experiences that address a broad range of global health topics through interdisciplinary approaches to health and include participation in applied public health activities or service learning projects with communities and partner organizations.
Requisites: None
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024
Learning Outcomes: 1. Collaborate and communicate effectively with diverse colleagues and local partners.
Audience: Undergraduate

2. Respectfully engage with different cultures or populations.
Audience: Undergraduate

3. Articulate the importance of interdisciplinary approaches to global health and/or sustainable development.
Audience: Undergraduate

4. Demonstrate knowledge on a specific global health issue, community, and location.
Audience: Undergraduate

INTER-AG 488 – HONORS RESEARCH SEMINAR
1 credit.

Development and evaluation of undergraduate research proposals, discussion of best practices for gaining admission to graduate programs and identifying effective mentors, exploration of career opportunities for research in the public and private sectors, and interaction with seniors who have successfully completed the CALS Honors in Research program.
Requisites: INTER-AG 388
Course Designation: Honors - Honors Only Courses (H)
Repeatable for Credit: No
Last Taught: Spring 2024
Learning Outcomes: 1. Develop a competitive research proposal and convey its scientific merit and broader impact to scientific reviewers and funding agencies
Audience: Undergraduate

2. Find strong graduate programs and identify effective faculty mentors, such that they can develop as young scientists and realize their career goals
Audience: Undergraduate

3. Overcome the fear of failure and avoid common pitfalls, such that they can achieve professional success and work-life balance in their future endeavors
Audience: Undergraduate

4. Evaluate the pros and cons of various types of research careers, including academic institutions, federal laboratories, corporate research and development settings, and startup companies
Audience: Undergraduate

5. Develop an outline for the senior honors thesis, including research plan and timeline
Audience: Undergraduate

INTER-AG 681 – SENIOR HONORS THESIS
2-4 credits.

First semester of individual study for undergraduate students in a CALS Honors program completing a thesis, as arranged with a faculty member.
Requisites: Consent of instructor
Course Designation: Honors - Honors Only Courses (H)
Repeatable for Credit: No
Last Taught: Spring 2024

INTER-AG 682 – SENIOR HONORS THESIS
2-4 credits.

Second semester of individual study for undergraduate students in a CALS Honors program completing a thesis, as arranged with a faculty member. INTER-AG 681
Requisites: Consent of instructor
Course Designation: Honors - Honors Only Courses (H)
Repeatable for Credit: No
Last Taught: Spring 2024