

Office of Academic Affairs
Tarleton State University
April 21, 2009

Master Course Syllabus Outline

Department: Engineering and Physics

Course Prefix/Number: HYDR 488-v

Official Course Title: Undergraduate Research Project (Credit Variable)

I. Catalog Description: Preliminary research methods will be addressed through a faculty-directed project that integrates hydrology with the student's support area. Project components may include a literature review, data analysis, testing, planning, design, modeling, and computer programming. The student is required to prepare a final report and give a presentation. No credit is earned until the student has enrolled in at least 3 credit hours and the final report and presentation are certified as completed by the faculty member directing the project, at which time the student will receive 3 credit hours.

II. Prerequisite: Junior Standing, HYDR 310, HYDR 320, and 9 or more advanced hours defining a support area.

III. Expanded Course Description: The course trains student basic research methods by completing a faculty-directed project that integrates hydrology with the student's support area. Project components may include a literature review, data analysis, testing, planning, design, modeling, and computer programming. The student is required to prepare a final report and give a presentation.

IV. Intended Student Outcomes:

- Apply the principles and knowledge of hydrology to solve problems
- Learn preliminary research methods to tackle interdisciplinary topics of hydrology and the support area
- Gain the ability to search and utilize literatures
- Understand the structure and organization of technical reports and/or manuscripts
- Gain the preliminary capability to document research findings
- Gain the preliminary capability to write technical reports and/or manuscripts
- Study the communication skills in the support area of the student

V. Coordinators: Dr. Xixi Wang, P.E.

VI. Academic Honesty:

Cheating, plagiarism (submitting another person's materials or ideas as one's own), or doing work for another person who will receive academic credit are all-impermissible. This includes the use of unauthorized books, notebooks, or other sources in order to secure or give help during an examination, the unauthorized copying of examinations, assignments, reports, or term papers, or the presentation of unacknowledged material as if it were the student's own work. Disciplinary action may be taken beyond the academic discipline administered by the faculty member who teaches the course in which the cheating took place.

VII. Students with Disabilities Policy:

It is the policy of Tarleton State University to comply with the Americans with Disabilities Act (ADA) and other federal, state, and local laws relative to the provision of disability services. Students with disabilities attending Tarleton State University may contact the Office of Disability Services at (254) 968-9478 to request appropriate accommodation. Furthermore, formal accommodation requests cannot be made until the student has been officially admitted to Tarleton State University.