

Texas A&M University-San Antonio
Department of Natural Sciences
Program of Water Resources Science and Technology

WATR 3340 WATER RESOURCES SCIENCE AND TECHNOLOGY INTERNSHIP

Instructor of Record: Dr. Walter Den

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Office Hours: Monday and Wednesday, 1:00-3:00 pm, or by appointments

COURSE DESCRIPTION:

Supervised professional experience in water supplier, water-related regulatory and service agencies, private entities, research institutions, or non-profit organizations. Jointly supervised by on-campus faculty and off-campus industry mentors at the internship site.

PREREQUISITES:

Instructor's approval required. Students must be with upper-division standing with the WATR program.

OBJECTIVES:

As a result of this course, you will be able to:

1. Develop professional and practical experience in the field of water resource sciences, purification technology, and policy requirements.
2. Engage with professionals and project stakeholders.
3. Experience a fuller sense of career opportunities in your field of interest.
4. Share your experience with presentation and reporting.

EVALUATION:

Students (interns) will be evaluated on the following grading criteria.

- Experiential Learning Journals (weekly basis), 20%
- Meetings with program advisor (Virtually or in person, monthly basis), 10%
- Project or task summary report, 20%
- Employer's feedback, 40%
- Presentation (with multimedia aids), 10%

EVALUATION DETAILS:

| Graded Items | Description |
|-----------------------|---|
| 10 Journals | You will complete a total of 10 journals. The journal should contain daily work log and weekly work reflection. No page limitation is imposed but the reflections should demonstrate the growing familiarity of the project or task you are assigned. Submit your journal electronically to program advisor no later than midnight at the end of each week. Late submissions will not be accepted. |
| 2-3 Monthly Meetings | Monthly meetings will take place on the least Friday of each month, either virtually or face-to-face, as deemed appropriate by the instructor. This will make two to three meetings over the course of the internship period. The meeting will be informal discussion, but students should be prepared to brief their work progress and raise observed or potential issues. You will receive a zero for lack of attendance. |
| 1 Midterm Reflection | The midterm reflection provides individual students the opportunity to assess their own work, reflect with the faculty adviser on accomplishments, and make necessary adjustments to improve your internship experience. Late midterm reflections are not accepted. |
| 1 Project/Task Report | The report will be submitted in the last day of the course. This report is oriented to mimic a professional documentation on the project and task in which you will have participated. Reflections should not be included in this report. You will receive a zero for any late submission. |
| 1 Employer feedback | Internship employers will be provided with a survey to determine your work performance as an intern. Principally, the survey will include three categories in professionalism, performance, and communication. |
| 1 Presentation | A five minutes image- and video-aided, recorded presentation should be submitted at the end of the course. The presentation should focus on what you did, what you learned, and how it helps develop a career. |

*If you can't avoid missing an event or assignment, I will accept early submission or advance notice in an email sent to walter.den@tamusa.edu