



**CHEG 2615-P52
CHEMICAL ENGINEERING INTERNSHIP I
SPRING 2024**

Course Information

Instructor: Dr. Sheena M. Reeves, Ph.D.
Section # and CRN: P52-CRN: 25123
Office Location: C.L. Wilson 200A
Office Phone: 936-261-9413
Email Address: smreeves@pvamu.edu
Office Hours: Mondays 1 – 2:00 p.m.
Mode of Instruction: Practicum
Course Location: N/A
Class Days & Times: Varies; Arranged weekly between each student and instructor.
Catalog Description: Credit 6 Semester hour.
 This course is an internship program of work experience with an approved engineering firm.

Prerequisites: Consent of academic advisor and employment supervisor as an engineering intern during the semester of enrollment.
Co-requisites: None
Required Text(s): None
Recommended Text(s): N/A

Course Learning Objectives:

	Upon successful completion of this course, students will be able to:	Student Learning Outcome # Alignment	Core Curriculum Objective Alignment
1	Demonstrate the reinforcement of what they learned during the undergraduate degree program following the internship experience.		

This course is a practicum that appears on the student's transcript and affects the student's grade point average, but does not satisfy any degree requirements.

Method of Determining Final Course Grade

Course Grade Requirement		Total
1)	Submission of Offer Letter	5
2)	Submission of Internship Data Sheet	5
3)	Midterm Video Report	20
4)	Supervisor's Evaluation Score	20
5)	Final Internship Report	50
Total:		100

Grading Criteria and Conversion:

A = 90 – 100 points

B = 80 – 89 points
 C = 67 – 79 points
 D = 55 – 66 points
 F = 54 or below

A signifies that the student has mastered the subject matter and understands all concepts covered.
B signifies that the student has a good understanding of the subject matter with few exceptions.
C signifies that the student has an adequate understanding of the material and can follow most concepts.
D signifies that the student does not understand important class concepts needed to be successful in future courses.
F signifies that the student has missed significant assignments or does not understand several concepts.

If a student has stopped attending the course (i.e. “stopped out”) at any point after the first day of class but did not officially withdraw from the course and has missed assignments and exams, including the final exam, and performed below the grade level of a D, a grade of FN (failed-non attendance) will be assigned for the final course grade to ensure compliance with the federal Title IV financial aid regulations. In contrast, if the student has completed all assignments and exams, including the final exam, but performed below the grade level of a D, a grade of F will be assigned for the final course grade.

Detailed Description of Major Assignments:

Assignment Title or Grade Requirement	Description
1.Video Report	Student should record a PowerPoint presentation using Zoom/Studio in CANVAS detailing his/her progression for the summer project.
2. Internship Data Sheet	See attached.
3. Supervisor’s Evaluation Form	See attached.
4. Final Internship Report	The comprehensive report details the student internship experience.

Student Support and Success

John B. Coleman Library

The John B. Coleman Library’s mission is to enhance the scholarly pursuit of knowledge, to foster intellectual curiosity, and to promote life-long learning and research through our innovative services, resources, and cultural programs, which support the Prairie View A&M University’s global mission of teaching, service, and research. It maintains library collections and access both on campus, online, and through local agreements to further the educational goals of students and faculty. [Library Website](#) Phone: 936-261-1500

Academic Advising Services

Academic Advising Services offers students a variety of services that contributes to student success and leads towards graduation. We assist students with understanding university policies and procedures that affect academic progress. We support the early alert program to help students get connected to success early in the semester. We help refer students to the appropriate academic support services when they are unsure of the best resource for their needs. Faculty advisors support some students in their respective colleges. Your faculty advisor can be identified in PantherTracks. Advisors with Academic Advising Services are available to all students. We are located across campus. Find your advisor’s location by academic major at on the [advising website](#) Phone: 936-261-5911

The University Tutoring Center

The University Tutoring Center (UTC) offers free tutoring and academic support to all registered PVAMU students. The mission of the UTC is to help provide a solid academic foundation that enables students to become confident, capable, independent learners. Competent and caring staff and peer tutors guide students in identifying, acquiring, and enhancing the knowledge, skills, and attitudes needed to reach their desired goals. Tutoring and academic support are offered face-to-face in the UTC, in virtual face-to-face sessions through the [tutoring center](#) and through [online sessions](#). Other support services available for students include Supplemental Instruction, Study Break, Academic Success Workshops, and Algebra Study Jam. Location: J. B. Coleman Library, Rm. 307; Phone: 936-261-1561; Email: pvtutoring@pvamu.edu; [University Tutoring Website](#)

Writing Center

The Writing Center provides well-trained peer tutors to assist students with writing assignments at any stage of the writing process. Tutors help students with various writing tasks from understanding assignments, brainstorming, drafting, revising, editing, researching, and integrating sources. Students have free access to Grammarly online writing assistance. Grammarly is an automated proofreading and plagiarism detection tool. Students must register for Grammarly by using their student email address. In addition, students have access to face-to-face and virtual tutoring services either asynchronously via email or synchronously via Zoom.

Location: J. B. Coleman Library, Rm. 209; Phone: 936-261-3724; [Writing Center Website](#), [Grammarly Registration](#):

Academic Early Alert

Academic Early Alert is a proactive system of communication and collaboration between faculty, academic advisors, and PVAMU students that is designed to support student success by promptly identifying issues and allowing for intervention. Academic Early Alerts help students by providing a central location to schedule advising appointments, view advisor contact information, and request assistance. Students who recognize that they have a problem that is negatively affecting their academic performance or ability to continue school may self-refer an Academic Early Alert. To do so, students will log in to PV Place and click on Academic Early Alert on the left sidebar. Phone: 936-261-5902; [Early Alert Website](#)

Student Counseling Services

The Student Counseling Services unit offers a range of services and programs to assist students in maximizing their potential for success: short-term individual, couples, and group counseling, as well as crisis intervention, outreach, consultation, and referral services. The staff is licensed by the State of Texas and assists students who are dealing with academic skills concerns, situational crises, adjustment problems, and emotional difficulties. Information shared with the staff is treated confidentially and in accordance with Texas State Law. Location: Hobart Taylor, 2nd floor; Phone: 936-261-3564; [Health & Counseling Center Website](#)

Office of Testing Services

Testing Services serves to create opportunities by offering a suite of exams that aid in the students' academic and professional success. Currently, we administer entrance (HESI A2), college readiness (TSI assessment), Prior Learning (CLEP, DSST), and proctored exams. Location: Wilhelmina Delco, 3rd Floor, Rm. 305; Phone: 936-261-3627; Email: aetesting@pvamu.edu; [Testing Website](#)

Office of Diagnostic Testing and Disability Services

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, contact the Office of Disability Services. As a federally-mandated educational support unit, the Office of Disability Services serves as the repository for confidential disability files for faculty, staff, and students. For persons with a disability, the Office develops individualized ADA letters of request for accommodations. Other services include learning style inventories, awareness workshops, accessibility pathways, webinars, computer laboratory with adapted hard and software, adapted furniture, proctoring non-standardized test administrations, ASL interpreters, ALDs, digital recorders, Livescribe, and a comprehensive referral network across campus and the broader community. Location: Hobart Taylor, Rm. 1D128; Phone: 936-261-3583; [Disability Services Website](#)

Center for Instructional Innovation and Technology Services (CIITS)

Distance Learning, also referred to as Distance Education, is the employment of alternative instructional delivery methods to extend programs and services to persons unable to attend college in the traditional manner. The Center for Instructional Innovation and Technology Services (CIITS) supports student learning through online, hybrid, web-assist, and 2-way video course delivery. For more details and contact information, visit [CIITS Student Website](#). Phone: 936-261-3283

Veteran Affairs

Veterans Services works with student veterans, current military and military dependents to support their transition to the college environment and continued persistence to graduation. The Office coordinates and certifies benefits for both the G.I. Bill and the Texas Hazlewood Act. Location: Evans Hall, Rm. 102; Phone: 936-261-3563; [Veterans Affairs Website](#):

Office for Student Engagement

The Office for Student Engagement delivers comprehensive programs and services designed to meet the co-curricular needs of students. The Office implements inclusive and accessible programs and services that enhance student development through exposure to and participation in diverse and relevant social, cultural, intellectual, recreational, community service, leadership development, and campus governance. Location: Memorial Student Center, Rm. 221; Phone: 936-261-1340; [Student Engagement Website](#)

Career Services

Career Services supports students through professional development, career readiness, and placement and employment assistance. The Office provides one-on-one career coaching, interview preparation, resume and letter writing, and career exploration workshops and seminars. Services are provided for students at the Northwest Houston Center and College of Nursing in the Medical Center twice a month or on a requested basis. Distance Learning students are encouraged to visit the Career Services website for information regarding services provided. Location: Anderson Hall, 2nd floor; Phone: 936-261-3570; [Career Services Website](#)

University Rules and Procedures

Academic Misconduct

Academic dishonesty is defined as any form of cheating or dishonesty that has the effect or intent of interfering with any academic exercise or fair evaluation of a student's performance. The college faculty can provide additional information, particularly related to a specific course, laboratory, or assignment.

You are expected to practice academic honesty in every aspect of this course and all other courses. Make sure you are familiar with the *University Administrative Guidelines on Academic Integrity*, which can be found on the [Academic Integrity webpage](#). Students who engage in academic misconduct are subject to university disciplinary procedures. As listed in the *University Administrative Guidelines on Academic Integrity*, the University Online Catalog, and the Student Code of Conduct, the following are examples of prohibited conduct. This list is not designed to be all-inclusive or exhaustive. In addition to academic sanctions, any student found to have committed academic misconduct that is also a violation of criminal law may also be subject to disciplinary review and action by the Office of Student Conduct (as outlined in the Student Code of Conduct).

Forms of Academic Dishonesty:

1. **Cheating**: Deception in which a student misrepresents that he/she has mastered information on an academic exercise that he/she has not learned, giving or receiving aid unauthorized by the instructor on assignments or examinations. Examples: unauthorized use of notes for a test; using a "cheat sheet" on a quiz or exam; any alteration made on a graded test or exam which is then resubmitted to the teacher;
2. **Plagiarism**: Careless or deliberate use of the work or the ideas of another; representation of another's work, words, ideas, or data as your own without permission or appropriate acknowledgment. Examples: copying another's paper or answers, failure to identify information or essays from the internet and submitting or representing it as your own; submitting an assignment which has been partially or wholly done by another and claiming it as yours; not properly acknowledging a source which has been summarized or paraphrased in your work; failure to acknowledge the use of another's words with quotation marks;
3. **Collusion**: When more than one student or person contributes to a piece of work that is submitted as the work of an individual;
4. **Conspiracy**: Agreeing with one or more persons to commit an act of academic/scholastic dishonesty; and

5. Multiple Submission: Submission of work from one course to satisfy a requirement in another course without explicit permission. Example: using a paper prepared and graded for credit in one course to fulfill a requirement and receive credit in a different course.

Nonacademic Misconduct

The university respects the rights of instructors to teach and students to learn. Maintenance of these rights requires campus conditions that do not impede their exercise. Campus behavior that interferes with either (1) the instructor's ability to conduct the class, (2) the inability of other students to profit from the instructional program, or (3) campus behavior that interferes with the rights of others will not be tolerated. An individual engaging in such disruptive behavior may be subject to disciplinary action. The Office of Student Conduct will adjudicate such incidents under nonacademic procedures.

Sexual Misconduct

Sexual harassment of students and employees at Prairie View A&M University is unacceptable and will not be tolerated. Any member of the university community violating the university's sexual harassment policy will be subject to disciplinary action. In accordance with the Texas A&M University System guidelines, your instructor is obligated to report to the Office of Title IX Compliance (titleixteam@pvamu.edu) any instance of sexual misconduct involving a student, which includes sexual assault, stalking, dating violence, domestic violence, and sexual harassment, about which the instructor becomes aware during this course through writing, discussion, or personal disclosure. The faculty and staff of PVAMU actively strive to provide a learning, working, and living environment that promotes respect that is free from sexual misconduct, discrimination, and all forms of violence. If students, faculty, or staff would like assistance or have questions, they may contact the Title IX Coordinator at 936-261-2144 or titleixteam@pvamu.edu. More information can be found at [Title XI Website](#), including confidential resources available on campus.

Protections and Accommodations for Pregnant and Parenting Students

The U.S. Department of Education's Office for Civil Rights (OCR) enforces, among other statutes, Title IX of the Education Amendments of 1972. Title IX protects people from discrimination based on sex, sexual orientation, and gender identity in education programs or activities that receive federal financial assistance. This protection includes those who may be pregnant and parenting. Title IX states: "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance." Students seeking accommodations related to pregnancy or parenting should contact the Office of Title IX for information, resources, and support at titleixteam@pvamu.edu. Additional information and/or support may be provided by the Office of Disability Services or the Office of the Dean of Students.

Non-Discrimination Statement

Prairie View A&M University does not discriminate on the basis of race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation, or gender identity in its programs and activities. The University is committed to supporting students and complying with The Texas A&M University System non-discrimination policy. It seeks to establish an environment that is free of bias, discrimination, and harassment. If you experience an incident of discrimination or harassment, we encourage you to report it. If you would like to speak with someone who may be able to afford you privacy or confidentiality, there are individuals who can meet with you. The Director of Equal Opportunity & Diversity has been designated to handle inquiries regarding the non-discrimination policies and can be reached at Harrington Science Building, Suite 109 or by phone at 936-261-1744 or 1792.

Class Attendance Policy (See the University Online Catalog for Full Attendance Policy)

Prairie View A&M University requires regular class attendance. Attending all classes supports the full academic development of each learner, whether classes are taught with the instructor physically present or via distance learning technologies such as interactive video and/or the internet. Excessive absenteeism, whether excused or unexcused, may result in a student's course grade being reduced or in the assignment of a grade of "F." Absences are accumulated beginning with the first day of class during regular semesters and summer terms. Each faculty member will include the University's attendance policy in each course syllabus.

Student Academic Appeals Process

Authority and responsibility for assigning grades to students rest with the faculty. However, in those instances where students believe that miscommunication, errors, or unfairness of any kind may have adversely affected the instructor's assessment of their academic performance, the student has a right to appeal by the procedure listed in the University Online Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint.

Technical Considerations

Minimum Recommended Hardware and Software:

- Intel PC or Laptop with Windows 10 or later version; Mac with OS High Sierra*
- Smartphone or iPad/Tablet with Wi-Fi*
- High-speed Internet access
- 8 GB Memory
- Hard drive with 320 GB storage space
- 15" monitor, 800x600, color or 16 bit
- Sound card w/speakers
- Microphone and recording software
- Keyboard & mouse
- Most current version of Google Chrome, Safari, or Firefox

Note: Be sure to enable Java & pop-ups in the Web browser preferences

* Smartphones, Google Chrome books, and Android tablets may not be supported. iPads are the only tablets supported.

Participants should have a basic proficiency of the following computer skills:

- Sending and receiving email
- A working knowledge of the Internet
- Microsoft Word (or a program convertible to Word)
- Acrobat PDF Reader
- Windows or Mac OS
- Video conferencing software

Netiquette (online etiquette)

Students are expected to participate in all discussions and virtual classroom chats as directed. Students are to be respectful and courteous to others on discussion boards. Foul or abusive language will not be tolerated. Do not use ALL CAPS for communicating to others AS IT CAN BE INTERPRETED AS YELLING. Avoid slang terms such as "wassup?" and texting abbreviations such as "u" instead of "you." Limit and possibly avoid the use of emoticons. Be cautious when using humor or sarcasm as tone is sometimes lost in an email or discussion post, and the message might be taken seriously or sound offensive.

Video Conferencing Etiquette

When using Zoom, WebEx, or other video conferencing tools, confirm the visible area is tidy, clear of background clutter, inappropriate or offensive posters, and other distractions. Ensure you dress appropriately and avoid using high traffic or noisy areas. Stay muted when you are not speaking and avoid eating/drinking during the session. Before the class session begins, test audio, video, and lighting to alleviate technology issues.

Technical Support

Students should go to [Password Reset Tool](#) if they have password issues. The page will provide instructions for resetting passwords and contact information if login issues persist. For other technical questions regarding eCourses, call the Center for Instructional Innovation and Technology Services at 936-261-3283 or email ciits@pvamu.edu.

Communication Expectations and Standards

Emails or discussion postings will receive a response from the instructor, usually in less than 48 hours. Urgent emails should be marked as such. Check regularly for responses.

Discussion Requirement

Online courses often require minimal to no face-to-face meetings. However, conversations about the readings, lectures, materials, and other aspects of the course can occur in a seminar fashion. The use of the discussion board will accomplish this. The instructor will determine the exact use of discussion boards.

It is strongly suggested that students type their discussion postings in a word processing application such as Word and save it to their PC or a removable drive before posting to the discussion board. This is important for two reasons: 1) If for some reason your discussion responses are lost in your online course, you will have another copy; 2) Grammatical errors can be greatly minimized by the use of the spell-and-grammar check functions in word processing applications. Once the post(s) have been typed and corrected in the word processing application, copy and paste to the discussion board.

INTERNSHIP DATA SHEET

PRAIRIE VIEW A&M UNIVERSITY Roy G. Perry College of Engineering

I. STUDENT INTERN INFORMATION

Name: _____ Semester/Year: _____
Student ID # _____ Major: _____ No. of Semester Hours Completed: _____
Mailing Address: _____ City: _____ State: _____ Zip: _____
Telephone: _____ Email Address: _____

II. SUPERVISOR INFORMATION

Name: _____ Job Title: _____
Mailing Address: _____ City: _____ State: _____ Zip: _____
Telephone: _____ Email Address: _____

III. JOB INFORMATION

Company Name: _____ Dept Name: _____
Job Description: _____

Submit this form to your course instructor via email (smreeves@pvamu.edu) and upload to CANVAS no later than the second week of the course.

SUPERVISOR'S EVALUATION OF INTERNSHIP STUDENT

SUPREVISOR INSTRUCTIONS: The immediate supervisor of the intern will evaluate the student objectively, comparing him/her with other students of comparable academic level, with other personnel assigned the same or similarly classified jobs, or with individual standards discussed with the intern.

Submit the completed evaluation to the Department Head and course instructor by August 1, 2023 via email (**smreeves@pvamu.edu**).

Name of Supervisor: _____ Title: _____

Company Name: _____ Location: _____

Name of Student Intern: _____ Period of Evaluation: _____

Brief Job Description: _____

Please rank the intern’s performance in the following categories:

- 1. Ability to Learn**
 Excellent Above Average Average Below Average Inefficient

- 2. Dependability**
 Excellent Above Average Average Below Average Inefficient

- 3. Attitude-Application to Work**
 Excellent Above Average Average Below Average Inefficient

- 4. Quality of Work**
 Excellent Above Average Average Below Average Inefficient

- 5. Overall Performance**
 Excellent Above Average Average Below Average Inefficient

Additional Comments: _____

This report has been discussed with the Student ____ yes ____ no.

Signed: _____

NameSignatureTitle

REPORT PREPARATION GUIDELINES

(Due: August 5th in CANVAS)

Below is guidance that you, as a student enrolled in a co-op or internship course, should use in preparing the report that will be submitted at or near the end of your work engagement. Please remember that you should make your report be reflective of the grade that you would like to receive, in both **content and appearance**. You should not expect an excellent grade for mediocre or average work.

1. Your report should be well organized, including the following components.
 - a. Title Page, including your name, the course number and name, the semester enrolled, the instructor's name, and the date of submission.
 - b. Introduction, explaining the reason for the report, giving any necessary background information, and giving a brief overview of the report.
 - c. Description of the Work Engagement, including such details as the following:
 - i. The company or agency providing the employment.
 - ii. The location or site of the work engagement, and how it relates to the company as a whole.
 - iii. The organization in which the job is positioned, and where in the organizational scheme of the company it falls.
 - iv. The person supervising the intern/co-op student, their job title, areas of responsibility, and how they fit into the organization chart of the company.
 - v. Your job title, position description, and task assignments given and/or completed during the work engagement.
 - d. Summary of Accomplishments and Educational Benefits, describing such outcomes as follow.
 - i. How the work engagement relates to your field of study.
 - ii. Your accomplishments from your work engagement, such as tasks completed, goals attained, milestones successfully achieved.
 - iii. The ways in which the experiences are/have been beneficial to your education.
 - e. Conclusions, or Lessons Learned and Recommendations for the Future, indicating what plans you would make or new goals you would set after having this work experience, such as whether you would like to work another assignment such as this one, or seek a different type of experience based on what you have just learned, and any advice you might give to a future intern following behind you.
 - f. References, if you are making any citations of previously published works, whether in the published literature or company internal documents.
 - g. Acknowledgements, where you express your gratitude for your sponsors, mentors, and anyone else you deem deserving. For example, you may want to thank the company that hired you, those company employees who gave you personal guidance and assistance, your mentor (if any) whether or not they work for your employer, etc.
2. You may use equations, tables and figures to help illustrate your points and show your accomplishments. Remember that such objects should not be simply inserted into (or attached to) your report, but each table and figure should be properly captioned, called out by name just prior to its appearance in the report, and used in discussion somewhere near its appearance.
3. The length of reports will vary. However, if you give careful attention to each of the bulleted items on this page, you will not likely end with a report of less than 5 pages. There should be no need for the report to run more than about 15 pages. Choose your figures of merit (tables, graphs, photos, etc.) carefully and selectively; do not think that padding your report with extra pages will improve the quality of the report (or your grade).
4. If you want an initial review of a draft of your report prior to its official submission, then email me a soft copy at least 2 weeks prior to the deadline. I will review it and send it back to you with suggestions for improvement. This review (as is done in industry) will help improve the quality of your report and will likely have a nice effect on your grade.