



WACO, TEXAS

**COURSE SYLLABUS
AND
INSTRUCTOR PLAN**

**ACADEMIC COOPERATIVE – INTERNATIONAL ENGINEERING
EXPERIENCE
PHYS 2389 – SECTION 95**

**LAURA WRIGHT
APRIL K. ANDREAS**

NOTE: This is a Blended/Hybrid course.

COVID 19 Notice:

McLennan Community College is committed to providing you with every resource you need to reach your academic goals including your safety. We will continue to monitor the evolving situation with COVID 19 and adjust our safety guidelines to make sure we offer a safe environment for you and our faculty. Please make sure to consult your faculty and the MCC website at <https://www.mclennan.edu/crisis-management/coronavirus-updates/index.html> on any changes to these guidelines.

ACADEMIC COOPERATIVE

PHYS 2389 – SECTION H1

Course Description:

An instructional program designed to integrate on-campus study with practical hands-on work experience in the physical sciences. In conjunction with class seminars, the individual students will set specific goals and objectives in the scientific study of inanimate objects, processes of matter and energy, and associated phenomena. This particular course is focused on developing a research project coordinated with the International Engineering Experience.

Prerequisites and/or Corequisites:

Course requires consent of instructor. This particular section has a prerequisite of a B or better in Engr 2308.

Course Notes and Instructor Recommendations:

In conjunction with faculty, the individual student will set specific goals and objectives in the study of the physical sciences. The student will demonstrate level-appropriate mastery. The student will work with a faculty member or department-approved professional mentor under the supervision of a faculty member. The student will cooperate in planning and devising his or her responsibilities. The student will meet at regular intervals with the supervisor of record.

Instructor Information:

Instructor Name: Professor Laura Wright
MCC E-mail: lwright@mclennan.edu
Office Phone Number: (254) 299-8419
Office Location: S 246
Office Hours: by appointment
https://calendly.com/professor_wright/

Instructor Name: Dr. April K. Andreas
MCC E-mail: aandreas@mclennan.edu
Office Phone Number: (254) 299-8130
Office Location: S 221
Office Hours: By appointment
<https://calendly.com/akandreas>

Required Text & Materials:

Recommended:

- Additional references may be recommended, depending upon the project.

MCC Bookstore Website: <http://www.mclennan.edu/bookstore/>

ACADEMIC COOPERATIVE

PHYS 2389 – SECTION H1

Additional requirements:

Students must have a reliable computer and internet connection. Students must be able to demonstrate basic computer literacy skills such as keyboarding, sending and receiving email, and using a web browser.

Requirement for the Overseas Experience portion of the class:

- A passport valid through December 2023
- Approved travel visas (if applicable)
- A smart phone with an international data plan, including about 100 MB per day, and about 100 texts and about 100 minutes of talk total

Methods of Teaching and Learning:

Students will learn through independent research, using textbooks and other available resources, along with directed work and discussions with the instructor and the coordinator of the international travel course. Additional methods may be used as opportunities present themselves.

Course Objectives and/or Competencies:

The student will explore and analyze topics within chemistry to meet student-defined goals, objectives, and research interests in coordination with a Physics Department faculty member.

- The student will demonstrate the integration of discipline-specific perspectives with their application in a context outside of the traditional academic classroom.
- The student will demonstrate level-appropriate mastery of applied skills in the designated areas of study.
- The student will develop the ability to work in a faculty-student relationship to set and achieve specific goals in communication, leadership, and/or critical thinking.
- The student and supervising faculty member will define and agree upon plans for communicating and assessing progress and criteria for evaluating the student's work.
- The student will participate in the International Engineering Experience travel course, including all required meetings.

ACADEMIC COOPERATIVE

PHYS 2389 – SECTION H1

Course Outline or Schedule:

Students will develop a research schedule along with their research advisors. In addition to those individual milestones, students must attend the travel meetings and meet specific deadlines as given in the calendar below.

To complete the materials for this course, students must complete activities based on the following calendar:

Week Beginning	Friday Info (Bring smart phone to all mtgs)	Due by 11:59 pm Friday
Mon, Jan 9	Mtg #1, 1/13: 1 pm – 4 pm <ul style="list-style-type: none"> • Orientation • Set up phones • Travel Guide Project 	<ul style="list-style-type: none"> • Research <u>Conference</u>
Mon, Jan 16		
Mon, Jan 23		<ul style="list-style-type: none"> • Literature Review <u>Draft</u> & Updated Outline
Mon, Jan 30	Mtg #2, 2/3: 1 pm – 4 pm <ul style="list-style-type: none"> • Names Quiz • GooseChase • Dallas Scavenger Hunt Assignment • Test 1 Review 	<ul style="list-style-type: none"> • Literature Overview <u>Reviews</u> • Research <u>Conference</u>
Mon, Feb 6		
Mon, Feb 13	<u>FRIDAY</u> Mtg #3, 2/17: 8 am – 10 pm (full day) <ul style="list-style-type: none"> • Dallas Scavenger Hunt (counts as a quiz) 	
Mon, Feb 20		<ul style="list-style-type: none"> • Lit + Site 1 <u>Draft</u>
Mon, Feb 27		<ul style="list-style-type: none"> • Lit + Site 1 <u>Reviews</u>
Mon, Mar 6	<i>Spring Break!</i>	<ul style="list-style-type: none"> • Lit + Sites 1 – 2 <u>Draft</u> & Updated Outline due by Sunday, 3/12, 11:59 pm
Mon, Mar 13		<ul style="list-style-type: none"> • Lit + Sites 1 – 2 <u>Reviews</u>

ACADEMIC COOPERATIVE

PHYS 2389 – SECTION H1

Week Beginning	Friday Info (Bring smart phone to all mtgs)	Due by 11:59 pm Friday
Mon, Mar 20	Mtg #4, 3/24: 1 pm – 4 pm <ul style="list-style-type: none"> • Take Map Quiz • Take Basic Italian Timeline Quiz • Determine roles for travel • A first look at packing 	<ul style="list-style-type: none"> • Lit + Sites 1 – 3 <u>Draft</u> • Research <u>Conference</u>
Mon, Mar 27		• Lit + Sites 1 – 3 <u>Reviews</u>
Mon, April 3		• Poster <u>Draft</u>
Mon, April 10	Mtg #5, 4/14: 1 pm – 4 pm <ul style="list-style-type: none"> • Take Current Events Quiz • Ethics and Behavioral Expectations • Packing and Logistics 	<ul style="list-style-type: none"> • Poster Approved • Research <u>Conference</u>
Mon, April 17		• Scholar Day, Friday, April 22, 10 am to 1 pm
Mon, April 24	Mtg #6, 4/28: 1 pm – 4 pm <ul style="list-style-type: none"> • Final logistics • Safety & financial considerations • Customs • Public transportation • Phone/App Check 	

The terms Draft, Reviews, Conference, and Perfect are defined in the Travel Guide Project description.

The remainder of the schedule will be determined on an individual basis between the student and the instructor.

Course Grading Information:

The student will be graded based on attendance and participation, minor projects, and the complexity and quality of the research done.

ACADEMIC COOPERATIVE

PHYS 2389 – SECTION H1

Grade Distribution	
Due prior to travel	80%
- Quizzes	10%
- Research Paper & Edits	45%
- Scholar Day poster	15%
- Italian Progress	10%
Due during/after travel	20%
- GooseChase Points	10%
- Final Chapter & Revisions	10%
Total	100%

A: 90%+ B: 80% – 89% C: 70% – 79% D: 60% – 69% F: 0% – 59%

Quizzes: There will be several quizzes. Details will be provided in class.

Research: This grade will be dependent upon meeting the milestones set in the calendar, using the grading scheme provided in the Travel Guide Project description.

Scholar Day: Students will be expected to participate in Scholar Day and present a poster.

Italian Progress: For safety reasons, it is imperative that students have a “basic knowledge” of Italian. Details will be provided in class.

Even if you fall behind, you must still complete all Italian language study requirements. If you fail to complete the required tasks by Friday, April 28, 11 pm, you will not be allowed on the travel portion of the course and will not be eligible for any refunds. In the case that you are not allowed to travel due to non-completion of language study requirements, your professors will make adjustments to the syllabus that may still allow you to earn credit for the course.

ACADEMIC COOPERATIVE

PHYS 2389 – SECTION H1

During and Post-trip Work

GooseChase Points: We will be using the app GooseChase (available on Apple and Android mobile systems) to keep track of a variety of “scavenger-hunt-like” tasks that will require you to get involved with your surroundings and people you will meet along the way. There are well over 150 points available. Students will be graded out of 100 points, with a max score of 110%. Additional details will be provided in class.

Final Chapter Revisions: After travel, students will make appropriate revisions to their engineering travel guide chapters. These revisions will be due soon after we return to the U.S. Details will be provided in class.

A Note About Traveling and Intellectual Curiosity

While not every stop every day is going to be desperately fascinating to you, it is important that you do not impede others’ ability to appreciate the experience by poor attitude and/or behavior. We reserve the right to reduce your final grade in the class for attitudes and behaviors that have a negative effect on the logistics (including being late), the trip participants, or locals. Details will be provided in class.

Late Work, Attendance, and Make Up Work Policies:

Late assignments will generally not be accepted. If you are legitimately ill for a significant time before a milestone is due, you must email me and provide a doctor’s note **the first day** you are back in class in order to receive consideration for an extended deadline.

Attendance to all the meetings is mandatory. *If you have one unexcused absence (as defined by MCC absence policy), you will drop one letter grade. Per MCC policy, you may be automatically dropped after missing 25% of class meetings. Since we are meeting 6 times, that means 2 absences.* For this purpose, missing more than 20 minutes of a meeting counts as an absence. If you are dropped before the official drop date, you will receive a grade of W. If you are dropped after the official drop date, you will receive a grade of F, unless there are highly unusual circumstances. If you are dropped from the course, you will not be allowed to participate in the travel portion of the course as a research student.

MCC allows for “excused” absences caused by (1) authorized participation in official College functions, (2) personal illness, (3) an illness or a death in the immediate family, or (4) the observance of a religious holy day. It is your responsibility to let me know the reason for an

ACADEMIC COOPERATIVE

PHYS 2389 – SECTION H1

absence the day you return to campus and provide sufficient documentation (doctor's note, email from coach, etc.).

Student Behavioral Expectations or Conduct Policy:

Students are expected to maintain classroom decorum that includes respect for other students and the instructor, prompt and regular attendance, and an attitude that seeks to take full advantage of this educational opportunity.

[Click Here for the MCC Attendance/Absences Policy](https://www.mclennan.edu/highlander-guide/policies.html)

(<https://www.mclennan.edu/highlander-guide/policies.html>)

Click on the link above for the college policies on attendance and absences. Your instructor may have additional guidelines specific to this course.

**Your professors reserve the right to change any term on this syllabus
at any time during the semester.**

Updated 11/04/2022

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ACADEMIC RESOURCES/POLICIES

Accommodations/ADA Statement:

Any student who is a qualified individual with a disability may request reasonable accommodations to assist with providing equal access to educational opportunities. Students should contact the Accommodations Coordinator as soon as possible to provide documentation and make necessary arrangements. Once that process is completed, appropriate verification will be provided to the student and instructor. Please note that instructors are not required to provide classroom accommodations to students until appropriate verification has been provided by the Accommodations Coordinator. For additional information, please visit www.mclennan.edu/disability.

Students with questions or who require assistance with disabilities involving physical, classroom, or testing accommodations should contact:

disabilities@mclennan.edu 254-299-
8122
Room 319, Student Services Center

Title IX:

We care about your safety, and value an environment where students and instructors can successfully teach and learn together. If you or someone you know experiences unwelcomed behavior, we are here to help. Individuals who would like to report an incident of sexual misconduct are encouraged to immediately contact the acting Title IX Coordinator at titleix@mclennan.edu or by calling, Dr. Claudette Jackson, (Diversity, Equity & Inclusion/Title IX) at (254) 299-8465. MCC employees are mandatory reporters and must report incidents immediately to the Title IX Coordinator. Individuals may also contact the MCC Police Department at (254) 299-8911 or the MCC Student Counseling Center at (254) 299-8210. The MCC Student Counseling Center is a confidential resource for students. Any student or employee may report sexual harassment anonymously by visiting <http://www.lighthouse-services.com/mclennan/>.

Go to McLennan's Title IX webpage at www.mclennan.edu/titleix/. It contains more information about definitions, reporting, confidentiality, resources, and what to do if you or someone you know is a victim of sexual misconduct, gender-based violence or the

crimes of rape, acquaintance rape, sexual assault, sexual harassment, stalking, dating violence, or domestic violence.

Student Support/Resources:

MCC provides a variety of services to support student success in the classroom and in your academic pursuits to include counseling, tutors, technology help desk, advising, financial aid, etc. A listing of these and the many other services available to our students is available at <http://www.mclennan.edu/campus-resource-guide/>

Academic Support and Tutoring is here to help students with all their course-related needs. Specializing in one-on-one tutoring, developing study skills, and effectively writing essays. Academic Support and Tutoring can be found in the Library and main floor of the Learning Commons. This service is available to students in person or through Zoom from 7:30 am - 6:00 pm Monday through Thursday and 7:30 am - 5:00 pm on Friday. You can contact the Academic Support and Tutoring team via Zoom (<https://mclennan.zoom.us/j/2542998500>) or email (ast@mclennan.edu) during the above mentioned times.

College personnel recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources or want to explore strategies for balancing life and school, we encourage you to contact either MCC CREW – Campus Resources Education Web by calling (254) 299-8561 or by emailing crew@mclennan.edu or a Success Coach by calling (254) 299-8226 or emailing SuccessCoach@mclennan.edu. Both are located in the Completion Center located on the second floor of the Student Services Center (SSC) which is open Monday-Friday from 8 a.m.-5 p.m.

Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff. To schedule an appointment, go to https://mclennan.co1.qualtrics.com/jfe/form/SV_07byXd7eB8iTqJg. Both the Completion Center and Paulanne's Pantry are located on the second floor of the Student Services Center (SSC).

MCC Foundation Emergency Grant Fund:

Unanticipated expenses, such as car repairs, medical bills, housing, or job loss can affect us all. Should an unexpected expense arise, the MCC Foundation has an emergency grant fund that may be able to assist you. Please go to <https://www.mclennan.edu/foundation/scholarships-and-resources/emergencygrant.html> to find out more about the emergency grant. The application can be found at https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf.

MCC Academic Integrity Statement:

Go to www.mclennan.edu/academic-integrity for information about academic integrity, dishonesty, and cheating.

Minimum System Requirements to Utilize MCC's D2L|Brightspace:

Go to <https://www.mclennan.edu/center-for-teaching-and-learning/Faculty-andStaffCommons/requirements.html> for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

Minimum Technical Skills:

Students should have basic computer skills, knowledge of word processing software, and a basic understanding of how to use search engines and common web browsers.

Backup Plan for Technology:

In the event MCC's technology systems are down, you will be notified via your MCC student email address. Please note that all assignments and activities will be due on the date specified in the Instructor Plan, unless otherwise noted by the instructor.

Email Policy:

McLennan Community College would like to remind you of the policy (<http://www.mclennan.edu/employees/policy-manual/docs/E-XXXI-B.pdf>) regarding college email. All students, faculty, and staff are encouraged to use their McLennan email addresses when conducting college business.

A student's McLennan email address is the preferred email address that college employees should use for official college information or business. Students are expected to read and, if needed, respond in a timely manner to college emails. For more information about your student email account, go to www.mclennan.edu/studentemail.

Instructional Uses of Email:

Faculty members can determine classroom use of email or electronic communications. Faculty should expect and encourage students to check the college email on a regular basis. Faculty should inform students in the course syllabus if another communication method is to be used and of any special or unusual expectations for electronic communications.

If a faculty member prefers not to communicate by email with their students, it should be reflected in the course syllabus and information should be provided for the preferred form of communication.

Email on Mobile Devices:

The College recommends that you set up your mobile device to receive McLennan emails. If you need assistance with set-up, you may email Helpdesk@mclennan.edu for help.

You can find help on the McLennan website about connecting your McLennan email account to your mobile device:

- [Email Setup for iPhones and iPads](#)
- [Email Setup for Androids](#)

Forwarding Emails:

You may forward emails that come to your McLennan address to alternate email addresses; however, the College will not be held responsible for emails forwarded to an alternate address that may be lost or placed in junk or spam filters.

For more helpful information about technology at MCC, go to [MCC's Tech Support Cheat Sheet](#) or email helpdesk@mclennan.edu.

Disclaimer:

The resources and policies listed above are merely for informational purposes and are subject to change without notice or obligation. The College reserves the right to change policies and other requirements in compliance with State and Federal laws. The provisions of this document do not constitute a contract.