A. COURSE INFORMATION

Course number/section: CHEM 5305.001
Class meeting time: Online
Class location: Online
Course Website: Blackboard

B. INSTRUCTOR INFORMATION

Instructor: Feri Billiot
Office location: CS207
Office hours: Online TR noon to 2:30 pm
Telephone: 361-825-6067
e-mail: Fereshteh.billiot@tamucc.edu
Appointments: by request

C. COURSE DESCRIPTION

Catalog Course Description
Studies and analysis of pertinent literature. May be repeated for credit, but credit may count only once towards the degree plan.

Extended Course Description
Students become familiar with the current literature and learn how to write scientifically. Student will also learn how to interpret and present scientific information.

D. PREREQUISITES AND COREQUISITES

Prerequisites
Only for graduate students.

Corequisites
none

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES

Required Textbook(s)

Optional Textbook(s) or Other References
Reading current literature
Supplies
none

F. STUDENT LEARNING OUTCOMES AND ASSESSMENT

Assessment is a process used by instructors to help improve learning. Assessment is essential for effective learning because it provides feedback to both students and instructors. A critical step in this process is making clear the course’s student learning outcomes that describe what students are expected to learn to be successful in the course. The student learning outcomes for this course are listed below. By collecting data and sharing it with students on how well they are accomplishing these learning outcomes students can more efficiently and effectively focus their learning efforts. This information can also help instructors identify challenging areas for students and adjust their teaching approach to facilitate learning.

By the end of this course, students should be able to

- Be able to understand terminology associated with research related to Chemical Sciences
- Be able to conduct a literature search in Chemical sciences
- Be able to read scientific articles and present the information to the audience in a professional manner
- Be able to analyze scientific information, interpret and write scientifically
- Be able to write a literature review in a selected chemistry discipline

G. INSTRUCTIONAL METHODS AND ACTIVITIES

Some focuses of this course will be
- to review and discuss the current literature.
- to write a review paper about a selected current literature
- to interpret, and present scientific data to the class

At the beginning of the semester, each student will select a topic closely related to their thesis research. Each week students will post one peer reviewed paper related to their topic along with a Power Point presentation video with audio where the student will give a summary of the paper. The other students will read these papers every week and post a question(s) related to that paper, and the student presenter will be expected to answer theses question within one week. Overall, each student will read 10 papers related to their research and post a video summary using Power Point audio slides on each of the articles. Each student in class listens will be expected to view the presentations, and post question(s) on blackboard. The presenter would then be expected to answer those questions within one week.
During the semester, students write a literature review on a topic of their choice, post it on the Blackboard and allow other classmate to read the review and critique it. Final Literature review is due the last day of class. This literature review be between 8000 and 10,000 words.

The Instructor will post one paper per week and students should read and be prepared to contribute in class discussion.

At the end of the semester, each student will present a topic of their choice. Student have 35 minutes for this presentation and they should be prepared to answer questions related to the topic, Presentations will be evaluated by students as well as the instructor.

G. REQUIREMENTS AND GRADING
Your grade will be calculated as a percentage of 500 available points:

<table>
<thead>
<tr>
<th></th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Weekly Literature posts</td>
<td>100</td>
</tr>
<tr>
<td>Class discussion/Instructor weekly literature</td>
<td>100</td>
</tr>
<tr>
<td>Review paper</td>
<td>200</td>
</tr>
<tr>
<td>Presentation</td>
<td>100</td>
</tr>
<tr>
<td>Total</td>
<td>500</td>
</tr>
</tbody>
</table>

Grade scale: A = 90-100%; B = 80-90%; C = 70-80%; D= 60-70%; F = 0-60%

H. COURSE CONTENT/SCHEDULE
Course is presented online and all the discussions are carried out in Backboard. There is no set time except the final student presentation.

I. COURSE POLICIES

COVID-19
Face Coverings - (cloth face covering, surgical mask, etc.) must be properly worn in all non-private spaces including classrooms, teaching laboratories, common spaces such as lobbies and hallways, public study spaces, libraries, academic resource and support offices, and outdoor spaces where 6 feet of physical distancing is difficult to reliably maintain. Extra masks will be made available if needed.

Attendance/Tardiness
Late Work and Make-up Exams
N/A

Extra Credit
N/A

Cell Phone Use
N/A

Laptop Use
N/A

Food in Class
N/A

Missed Exam
N/A

Participation
N/A

Others
N/A

J. COLLEGE AND UNIVERSITY POLICIES

• Academic Integrity (University)
  University students are expected to conduct themselves in accordance with the highest
  standards of academic honesty. Academic misconduct for which a student is subject
  to penalty includes all forms of cheating, such as illicit possession of examinations or
  examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is
  the presentation of the work of another as one’s own work.) In this class, academic
  misconduct or complicity in an act of academic misconduct on an assignment or test
  will result in a failing grade.

• Classroom/Professional Behavior
  Texas A&M University-Corpus Christi, as an academic community, requires that each
  individual respect the needs of others to study and learn in a peaceful atmosphere. Under
  Article III of the Student Code of Conduct, classroom behavior that interferes with either
  (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit
  from the instructional program may be considered a breach of the peace and is subject to
  disciplinary sanction outlined in article VII of the Student Code of Conduct. Students
engaging in unacceptable behavior may be instructed to leave the classroom. This prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

- **Statement of Civility**
  Texas A&M University-Corpus Christi has a diverse student population that represents the population of the state. Our goal is to provide you with a high quality educational experience that is free from repression. You are responsible for following the rules of the University, city, state and federal government. We expect that you will behave in a manner that is dignified, respectful and courteous to all people, regardless of sex, ethnic/racial origin, religious background, sexual orientation or disability. Behaviors that infringe on the rights of another individual will not be tolerated.

- **Deadline for Dropping a Course with a Grade of W (University)**
  I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. **Please consult with your academic advisor, the Financial Aid Office, and me, before you decide to drop this course.** Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. Please consult the Academic Calendar ([http://www.tamucc.edu/academics/calendar/](http://www.tamucc.edu/academics/calendar/)) for the last day to drop a course.

- **Grade Appeals (College of Science and Engineering)**
  As stated in University Procedure 13.02.99.C0.03, Student Grade Appeal Procedures, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is required to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Procedure 13.02.99.C0.03, Student Grade Appeal Procedures. These documents are accessible through the University Rules website at [http://academicaffairs.tamu.edu/rules_procedures/assets/13.02.99.c0.03_student_grade_appeals.pdf](http://academicaffairs.tamu.edu/rules_procedures/assets/13.02.99.c0.03_student_grade_appeals.pdf). For assistance and/or guidance in the grade appeal process, students may contact the chair or director of the appropriate department or school, the Office of the College of Science and Engineering Dean, or the Office of the Provost.

- **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, please call (361) 825-5816 or visit Disability Services in Corpus Christi Hall 116.

If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.

http://disabilityservices.tamucc.edu/

- **Civil Rights Complaints**
  Texas A&M University-Corpus Christi is committed to fostering a culture of caring and respect that is free from discrimination, relationship violence and sexual misconduct, and ensuring that all affected students have access to services. For information on reporting Civil Rights complaints, options and support resources (including pregnancy support accommodations) or university policies and procedures, please contact the University Title IX Coordinator, Sam Ramirez (Samuel.ramirez@tamucc.edu) or Deputy Title IX Coordinator, Rosie Ruiz (Rosie.Ruiz@tamucc.edu) x5826, or visit website at Title IX/Sexual Assault/Pregnancy.

  **Limits to Confidentiality.** Essays, journals, and other materials submitted for this class are generally considered confidential pursuant to the University's student record policies. However, students should be aware that University employees, including instructors, are not able to maintain confidentiality when it conflicts with their responsibility to report alleged or suspected civil rights discrimination that is observed by or made known to an employee in the course and scope of their employment. As the instructor, I must report allegations of civil rights discrimination, including sexual assault, relationship violence, stalking, or sexual harassment to the Title IX Coordinator if you share it with me.

  These reports will trigger contact with you from the Civil Rights/Title IX Compliance office who will inform you of your options and resources regarding the incident that you have shared. If you would like to talk about these incidents in a **confidential** setting, you are encouraged to make an appointment with counselors in the University Counseling Center.

- **Statement of Academic Continuity**
  In the event of an unforeseen adverse event, such as a major hurricane and classes could not be held on the campus of Texas A&M University–Corpus Christi; this course would continue through the use of Blackboard and/or email. In addition, the syllabus and class activities may be modified to allow continuation of the course. Ideally, University facilities (i.e., emails, web sites, and Blackboard) will be operational within two days of the closing of the physical campus. However, students need to make certain that the course instructor has a primary and a secondary means of contacting each student.
K. OTHER INFORMATION

- **Academic Advising**
  The College of Science & Engineering requires that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. Meetings are by appointment only; advisors do not take walk-ins. Please call or stop by the Advising Center to check availability and schedule an appointment. The College’s Academic Advising Center is located in Center for Instruction 350 or can be reached at (361) 825-3928.

**GENERAL DISCLAIMER**
I reserve the right to modify the information, schedule, assignments, deadlines, and course policies in this syllabus if and when necessary. I will announce such changes in a timely manner during regularly scheduled lecture periods.