
Calumet College



of Saint Joseph

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Calumet College of St. Joseph is a Catholic institution of higher learning dedicated to the academic, spiritual and ethical development of undergraduate and graduate students. Informed by the values of its founding religious community, the Missionaries of the Precious Blood (C.P.P.S.), the College promotes the inherent dignity of all people, social justice, an ethic of service, student empowerment, opportunity, and lifelong learning.

We are committed to the Five Pillars of a CCSJ Education: The CCSJ graduate will be Open to Growth, Intellectually Competent, Religious, Loving, and Committed to Doing Justice. This class, as outlined below, will help you to achieve those goals.

COURSE SYLLABUS, Fall 2020

Course: BIOL 372 Biomedical Health Research Literacy I

Instructor Information:	
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Instructor Name	Dr. Edward Draper
Office Number:	514
Phone Number:	219-473-4268
Email:	edraper@ccsj.edu
Office Hours:	Monday 1:00 – 1:30, Wednesday 1:35 – 2:35, and Thursday 1:35 – 2:35. I will be available in my office or via my office phone, listed above, during these times.
Instructor Background:	B.S. in Biology from Loyola University Chicago. M.S. in Biology from Purdue University. PhD. In Biology from the University of Illinois Chicago. My research focuses on using the yeast, <i>Saccharomyces cerevisiae</i> , as a model system to study cellular biology.

Course Information:	
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Course Delivery Method:	There are not any scheduled classroom meetings for this class. Work in the lab will require you to be on campus. There may be a need for meetings with the instructor which can occur in person, or virtually.
Course Time:	Arranged
Classroom:	None
Prerequisites:	C or better all Science and Math courses and Junior Standing.
Required Books and Materials:	None
Learning Outcomes/ Competencies:	

Students in this course will:

1. Scientific Knowledge and Critical Thinking:
 - Students will demonstrate substantial and up-to-date core knowledge of broad areas in basic biomedical, translational, or clinical research.
 - Students will demonstrate the ability to accurately and critically evaluate their own scientific work and the work of others.
2. Research Skills and Problem Solving Ability:
 - Students will demonstrate advanced understanding of a range of technical and conceptual approaches used in biomedical research.
 - Students can design, carry out, and interpret research projects that generate new knowledge that advances the biomedical sciences and human health.
3. Specific Expertise:
 - Students can articulate the significance of their own work to their chosen research area in both historical and forward-looking contexts.
 - Students will demonstrate mastery of a range of technical and conceptual approaches used in their selected research area.
4. Communication:
 - Students will demonstrate the oral, written and media communication skills required to be effective communicants, teacher
5. Ethics and Advocacy:
 - Students will apply highest standards of ethics to their research (data management, research subjects, stewardship of research funds)
 - Students will improve their confidence and interactions with colleagues and the public.
 - Students will be able to advocate for the role of science in medicine and society

Course Description: To receive academic credit for an undergraduate research experience students must complete a project proposal endorsed by the Instructor. The application will contain an overview of the project, specific goals, deadlines for completion of the project, and specific project outcomes that will be evaluated to determine the final grade. All projects must meet the following criteria: a) spending an average of 6 hour per week working on the project; b) writing a scientific paper summarizing the results of the study; c) preparing an electronic poster of the project results; d) maintaining a lab notebook, and e) presenting the results of the project to an audience

Learning Strategies:

Active learning, BlackBoard, group discussions, team projects, collaborative learning, laboratory exercises, demonstrations.

Experiential Learning Opportunities:

Laboratory experience is essential for a fundamental understanding of the scientific method. This course has a required laboratory portion that provides students with experiential learning through experimental design, hypothesis development, data interpretation, and communication of results through laboratory reports.

Assessments:

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Weekly Progress/Activity Reports	Student will submit 12 weekly progress/activity reports beginning on Sept. 18 and ending on Dec. 11. These reports will be printed out and turned in, or emailed to me as Word documents.	25 points each
Total		300

Grading Scale:

100% – 92%: A	91% – 90%: A-	
89% – 88%: B+	87% – 82%: B	81% – 80%: B-
79% – 78%: C+	77% – 72%: C	71% – 70%: C-
69% – 68%: D+	67% – 62%: D	61% – 60%: D-
59% and below:	F	

Course Schedule:

Each group will set its own schedule keeping in mind the following caveats:

1. As per the course description, students are expected to spend a minimum of 6 hours per week doing work in this course
2. Laboratory work/experiments and field work, if necessary, typically takes a significant amount of time, sometimes in long blocks. If you want to gain meaningful experience in this class, you will have to commit to spending time working outside of normal class time. Example given: Fridays and Saturdays
3. When you are working in the laboratory, at least until you have demonstrated competence using equipment and supplies, you will need to be supervised. As I have a full teaching load, I have limited times where I can be in the lab providing such supervision. As stated in the previous point, expect to spend time on Fridays and/or Saturdays in the lab

I reserve the right to change this schedule to meet the needs of the class.

Student Responsibilities	
Safety Measures	<p>The safety of our College Family in this unprecedented time is our primary concern. Following guidelines presented by the Centers of Disease Control (CDC), the Indiana Health Department, and best practices among other institutions of higher education, we are requiring the following:</p> <ul style="list-style-type: none"> • Face coverings over the mouth and nose in all indoor public spaces, including classrooms, the library, the Tutoring Center, and faculty offices. • Because face coverings are in use, no eating or drinking in the classroom. Plan to meet your needs between classes using appropriate social distancing. • Daily self-monitoring. If you have a temperature of 100.4 or higher, or any symptoms of COVID-19 – fever or chills, a cough, shortness of breath or difficulty breathing, fatigue, muscle or body aches, headache, loss of taste or smell, sore throat, or nausea or vomiting – stay home and consult the class policy for staying on track. • Disinfecting your personal space using the materials provided when you enter the classroom. • Maintaining physical distancing of at least six feet within classrooms and other common spaces. <p>Please note: To accommodate students who may not be able to attend class in person, this class may be taped and posted to the course Blackboard site. Tapes will not be used for any other purpose outside of class.</p>

What to Do in Case of Illness	If you are exposed to COVID 19, become ill, or are otherwise unable to attend classes as required, notify the College by sending an email to illness@ccsj.edu . The message that you are unable to attend class will be relayed to your faculty. The College will contact you with expectations regarding next steps and follow-up.
Attending Class	<p>You cannot succeed in this class if you do not attend. We believe that intellectual growth and success in higher education occur through interaction in the classroom and laboratories. Being absent doesn't excuse you from doing class work; you have more responsibilities to keep up and meet the objectives of this course.</p> <p>This class is intended to provide you with laboratory experience. You cannot gain said experience without spending time a significant amount of time in the lab. Bottom line, the quality of the experience you get from this class will depend upon the commitment you make.</p>
Turning In Your Work	You cannot succeed in this class if you do not turn in all your work when due. Homework will not be accepted after the due date. Extension requests for extenuating circumstances can be submitted via email to the instructor. Decisions on make-up work are left to the discretion of the instructor
Meeting Standards for Classroom Behavior	<ul style="list-style-type: none"> • Use all the class time. Come to class on time and stay in class until the end. Coming late, leaving early, and getting up during class disrupts the class and disrespects others. • Come prepared. Bring your texts, be prepared to take notes, and be able to demonstrate that you have completed the assignments for the day through your participation in class. • Respect others. Listen when your classmates and the instructor are speaking. Think about their contributions. Respond appropriately. • Use electronic devices only for class purposes. Engage with your classmates and the instructor without technological distractions.
CCSJ Student Honor Code	<p>This course asks students to reaffirm the CCSJ Student Honor Code:</p> <p>I, as a student member of the Calumet College academic community, in accordance with the college's mission and in a spirit of mutual respect, pledge to:</p> <ul style="list-style-type: none"> • Continuously embrace honesty and curiosity in the pursuit of my educational goals; • Avoid all behaviors that could impede or distract from the academic progress of myself or other members of my community; • Do my own work with integrity at all times, in accordance with syllabi, and without giving or receiving inappropriate aid; • Do my utmost to act with commitment, inside and outside of class, to the goals and mission of Calumet College of St. Joseph.
Doing Your Own Work	<p>If you turn in work that is not your own, you will be subject to judicial review by the Faculty-Student Grievance Committee. These procedures can be found in the Student Planner. The maximum penalty for any form of academic dishonesty is dismissal from the College.</p> <p>Using standard citation guidelines to document sources avoids plagiarism. You'll find guides to the major citation methods at the CCSJ Specker Library</p>

	<p>Web page at http://www.ccsj.edu/library/subjectsplus/subjects/guide.php?subject=cite</p> <p>You'll also find a comprehensive guide to understanding what constitutes plagiarism, "What Is Plagiarism," on the Specker Library Web page at https://www.ccsj.edu/library/What%20is%20Plagiarism.pdf This guide comes from Plagiarism.com, and covers many ways in which plagiarism can occur. Be sure to review this important source!</p> <p>Please note: All papers may be electronically checked for plagiarism.</p>
Sharing Your Class Experience	<p>Your voice matters! At the end of the term, you will have the opportunity to evaluate your classroom experience. These confidential surveys are essential to our ongoing efforts to ensure that you have a great experience that leaves you well prepared for your future. Take the time to complete your course evaluations – we value your feedback!</p>
Withdrawing from Class	<p>After the last day established for class changes has passed (see the College calendar in the CCSJ Course Catalog), you may withdraw from a course by following the policy outlined in the Course Catalog.</p>

Resources	
CCSJ Book Rental Program	<p>The CCSJ Book Program ensures that everyone has the right course materials on the first day of class to be successful. You pay a book rental fee each semester, and in return, receive all the materials for all your classes prior to the beginning of classes. At the end of the semester, simply return the books. For traditional students, the Book Rental Program is conveniently located in the library, where students can pick up and return their books. For students in accelerated programs and graduate programs, books will be delivered to their homes and they can return them by mail. For more information, see http://www.ccsj.edu/bookstore. All books must be returned at the end of the semester or you will incur additional fees, which will be charged to your student account.</p>
Student Success Center	<p>The Student Success Center provides faculty tutors at all levels to help you master specific subjects and develop effective learning skills. It is open to all students at no charge. You can contact the Student Success Center at 219 473-4287 or stop by the Library. In addition, you can access online tutoring at Tutor.com. See the link within the Blackboard course.</p>
Disability Services	<p>Disability Services strives to meet the needs of all students by providing academic services in accordance with Americans with Disabilities Act (ADA) guidelines. If you believe that you need a "reasonable accommodation" because of a disability, contact the Disability Services Coordinator at 219-473-4349.</p>
Student Assistance Program	<p>Through a partnership with Crown Counseling, Calumet College of St. Joseph provides a free Student Assistance Program (SAP) to current students. The SAP is a confidential counseling service provided to students for personal and school concerns which may be interfering with academic performance and/or quality of life. The SAP counselor is available on campus once a week and off-site at the Crown Counseling offices in Crown Point or</p>

	Hammond. For more information, contact Kerry Knowles SAP Counselor , at 219-663-6353 (office), 219-413-3702 (cell), or kerryk@crowncounseling.org .
CCSJ Alerts	Calumet College of St. Joseph's emergency communications system will tell you about emergencies, weather-related closings, or other incidents via text, email, or voice messages. Please sign up for this important service annually on the College's website at: http://www.ccsj.edu/alerts/index.html .