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**Calumet College**

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**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/Spring 2021****Course: MATH 310 A Calculus III, Fall**

<b>Instructor Information:</b>	
<b>Instructor Name</b>	Amanda Copeland
<b>Office Number:</b>	301
<b>Phone Number:</b>	
<b>Email:</b>	acopeland@ccsj.edu
<b>Hours Available:</b>	In person office hours MW 1-3:30 pm TR 11am-12pm, 1-1:45pm Virtual Office Hours on Friday by appointment  Please note that meetings and appointments can affect these hours.
<b>Instructor Background:</b> B.S. Math Secondary Ed, Aurora University; M.A. Mathematics, Appalachian State University	

<b>Course Information:</b>	
<b>Course Delivery Method:</b>	This course will meet face to face on each scheduled day/during each scheduled time. Students who are unable to attend class in person will be expected to attend via Zoom.
	All exams will be proctored on campus. Students who are unable to complete exams in a classroom environment will be allowed to make alternative arrangements in advance with the instructor.
<b>Course Time:</b>	<b>Tuesday Thursday, 3:30-5:30pm</b>

<b>Classroom:</b>	205
<b>Prerequisites:</b>	MATH 231 with a grade of 'C' or better
<b>Required Books and Materials:</b>	Stewart, J. <u>Calculus</u> ; Ed 8 Cengage ISBN: 9781285740621  **It is strongly recommended that you have a Texas Instrument 84 (TI-84) for this class.
<b>Learning Outcomes/ Competencies:</b> Through appropriate assessments students will demonstrate that they are able to:	
<ol style="list-style-type: none"> <li>1. <b>Remember</b> the necessary steps and procedures for computing vector operations, vector functions, partial derivatives, and multiple integrals.</li> <li>2. <b>Understand</b> what each computation means on a conceptual level. Students will also understand the historical context within which calculus was developed.</li> <li>3. <b>Apply</b> their understanding of the concepts and use appropriate computations to solve problems in physics, economics, chemistry and biology.</li> <li>4. <b>Analyze</b> problems in physics, economics, chemistry and biology to determine appropriate methods for solving them.</li> <li>5. <b>Evaluate</b> proposed solutions with respect to commonly accepted practices used in physics, economics, chemistry and biology.</li> <li>6. <b>Create</b> and demonstrate appropriate solutions to discovery projects applying calculus methods in their chosen field of study</li> </ol>	
<b>Course Description:</b> This is the standard third-semester college Multivariate Calculus course. Topics include vectors and the geometry of space, vector functions, partial derivatives, and multiple integrals. Students will study the applications of the afore mentioned topics in geometry, science, and business.	
<b>Learning Strategies:</b> Group discussions, lecture, projects, and lots of practice. The objective is to promote your understanding of mathematics concepts and to enable you to apply them in a meaningful way. You are encouraged to rely on logical thinking, rather than on memorization. It is VERY important that you READ the sections of the textbook, STUDY the examples and WORK problems. <b>Active participation in class</b> and utilization of services such as the <u>CCSJ Student Success Center</u> will help ensure your success.  It is also suggested that you utilize Khan Academy for additional help on homework outside of the classroom.	
<b>Experiential Learning Opportunities:</b> Applications of the Course Objectives	

<b>Assessments:</b>		
<b>Exams</b>	Chapter Exams (12, 13, 14, 15)	50% of grade
<b>Cumulative Final Exam</b>	Chapter 12 – Chapter 15	20% of grade
<b>Textbook Homework</b>	Assigned Weekly per schedule	10% of grade
<b>Recitation Problems</b>	Weekly	20% of grade
<b>Class Participation</b>	<p><b>Tests and Quizzes:</b></p> <ul style="list-style-type: none"> <li>• Four <u>chapter tests</u> will be given during the term and <u>one comprehensive final exam</u> during exam week.</li> <li>• You will be allowed to use one piece of paper (8 ½ x 11), one side only, of notes on your chapter tests.</li> <li>• You will be allowed to use one piece of paper (8 ½ x 11), both sides, of notes on your final exam.</li> <li>• You will be allowed to use a calculator on all exams (you really, REALLY, REALLY should have a graphing calculator).</li> <li>• You will NOT be allowed to use any electronic devices on an exam or recitation (i.e. phone, tablet, etc.).</li> <li>• Thoughtful completion of your homework should be done to practice and prepare for your exams and recitation.</li> </ul> <p><b>Written homework and Recitation assignments:</b></p> <ul style="list-style-type: none"> <li>• Homework is critical to your success in this course. The written homework is meant to serve as practice for the exams.</li> <li>• Your written homework should be neat and organized. Problems should be copied from the book and all necessary work should be shown. <b>Answers without work will not be given credit.</b></li> <li>• Recitation assignments can be completed with the help of homework problems and notes from class.</li> <li>• Recitation assignments will be done in class, with no make-ups. The lowest 2 recitation assignment scores will be dropped.</li> <li>• Students may use a calculator but no electronic devices on recitation assignments.</li> <li>• It is expected that you will spend 8-12 hours outside of class each week practicing math. You must practice to succeed.</li> <li>• NO LATE HOMEWORK will be accepted, for any reason, period. You are welcome to turn it in early, but never late.</li> </ul>	

**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	

<b>Student Responsibilities</b>	
<b>Safety Measures</b>	<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"> <li>• Face coverings over the mouth and nose in all indoor public spaces, including classrooms, the library, the Tutoring Center, and faculty offices.</li> <li>• Because face coverings are in use, no eating or drinking in the classroom. Plan to meet your needs between classes using appropriate social distancing.</li> <li>• 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.</li> <li>• Disinfecting your personal space using the materials provided when you enter the classroom.</li> <li>• Maintaining physical distancing of at least six feet within classrooms and other common spaces.</li> </ul> <p><b>Please note:</b> 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>
<b>What to Do in Case of Illness</b>	<p>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 <a href="mailto:illness@ccsj.edu">illness@ccsj.edu</a>. 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.</p>
<b>Attending Class</b>	<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. However, we do not want to penalize students for participating in college-sponsored events. When you miss class because of a college event, you must give notice of your absence in advance, and you are responsible for all missed work. Being absent doesn't excuse you from doing class work; you have <b>more</b> responsibilities to keep up and meet the objectives of this course.</p> <p style="text-align: center;"><b><i>Eighty percent of success is showing up.</i></b> -Woody Allen</p> <p>Attendance is important and is expected. You are responsible for all material covered in class, including announcements of assignments and quizzes. If you miss class, you must contact the instructor by email (<a href="mailto:acopeland@ccsj.edu">acopeland@ccsj.edu</a>) within 24 hours. The instructor is more than willing to meet you halfway on this, but remember that there are TWO halves. If you are more than 15 minutes late to class, that will count as an absence. <b>BE PRESENT (in person or virtually), BE ON TIME.</b></p>

<b>Turning In Your Work</b>	You cannot succeed in this class if you do not turn in all your work when due. Late work will not be accepted.
<b>Meeting Standards for Classroom Behavior</b>	<ul style="list-style-type: none"> <li>• <b>Use all the class time.</b> 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.</li> <li>• <b>Come prepared.</b> 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.</li> <li>• <b>Respect others.</b> Listen when your classmates and the instructor are speaking. Think about their contributions. Respond appropriately.</li> <li>• <b>Use electronic devices only for class purposes.</b> Engage with your classmates and the instructor without technological distractions</li> <li>• <b>Online Attendance.</b> If attending class online student should be seated in view and dressed appropriately.</li> </ul>
<b>CCSJ Student Honor Code</b>	<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"> <li>• Continuously embrace <b>honesty and curiosity</b> in the pursuit of my educational goals;</li> <li>• Avoid all behaviors that could impede or distract from the academic progress of myself or other members of my <b>community</b>;</li> <li>• Do my own work with <b>integrity</b> at all times, in accordance with syllabi, and without giving or receiving inappropriate aid;</li> <li>• Do my utmost to act with commitment, inside and outside of class, to the goals and <b>mission</b> of Calumet College of St. Joseph.</li> </ul>
<b>Doing Your Own Work</b>	<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 Web page at <a href="http://www.ccsj.edu/library/subjectsplus/subjects/guide.php?subject=cite">http://www.ccsj.edu/library/subjectsplus/subjects/guide.php?subject=cite</a></p> <p>You'll also find a comprehensive guide to understanding what constitutes plagiarism, "What Is Plagiarism," on the Specker Library Web page at <a href="https://www.ccsj.edu/library/What%20is%20Plagiarism.pdf">https://www.ccsj.edu/library/What%20is%20Plagiarism.pdf</a> This guide comes from Plagiarism.com, and covers many ways in which plagiarism can occur. Be sure to review this important source!</p> <p><b>Please note:</b> All papers may be electronically checked for plagiarism.</p>
<b>Sharing Your Class Experience</b>	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!
<b>Withdrawing from Class</b>	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.
<b>Using Electronic Devices</b>	Electronic devices are out of place in the classroom. Please keep them silent and put away during class. Additionally, <b>NO ELECTRONIC DEVICES OF ANY KIND ARE TO BE USED ON QUIZZES OR EXAMS.</b>

<b>Resources</b>	
<b>CCSJ Book Rental Program</b>	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 <a href="http://www.ccsj.edu/bookstore">http://www.ccsj.edu/bookstore</a> . <b>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.</b>
<b>Student Success Center</b>	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.
<b>Disability Services</b>	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.
<b>Student Assistance Program</b>	Through a partnership with <b>Crown Counseling</b> , 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 Hammond. For more information, <b>contact Kerry Knowles SAP Counselor</b> , at 219-663-6353 (office), 219-413-3702 (cell), or <a href="mailto:kerryk@crowncounseling.org">kerryk@crowncounseling.org</a> .
<b>CCSJ Alerts</b>	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: <a href="http://www.ccsj.edu/alerts/index.html">http://www.ccsj.edu/alerts/index.html</a> .

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

MTH 310A Schedule

Date	What's Happening?	What's Due?
8/25	Syllabus, Intro, 12.1	
8/27	12.1, 12.2	
9/1	12.2, 12.3	
9/3	12.3, 12.4	
9/8	12.4, 12.5	
9/10	12.5, 12.6	
9/15	12.6, Review	
9/17	Exam 1 (Chapter 12)	Chapter 12 Homework Due
9/22	13.1, 13.2	
9/24	13.2, 13.3	
9/29	13.3, 13.4	
10/1	13.4, Review	
10/6	Exam 2 (Chapter 13)	Chapter 13 Homework Due
10/8	14.1, 14.2	
10/13	14.2, 14.3	
10/15	14.3, 14.4	
10/20	14.4, 14.5	
10/22	14.5, 14.6	
10/27	14.6, 14.7	
10/29	14.8, Review	
11/3	Exam 3 (Chapter 14)	Chapter 14 Homework Due
11/5	15.1, 15.2	
11/10	15.2, 15.3	
11/12	15.3, 15.4	
11/17	15.4, 15.5	
11/19	15.5, 15.6	
11/24	Fall Break and	
11/26	Thanksgiving Recess	
12/1	15.6, Review	
12/3	Exam 4 (Chapter 15)	Chapter 15 Homework Due
12/8	Review	
12/10	Final Exam	