
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, 2019

Math 110A – Finite Mathematics

Instructor Information:

Instructor Name	Br. Benjamin Basile, C.P.P.S.
Office Number:	303
Phone Number:	(219) 473-4280
Email:	bbasile@ccsj.edu
Office Hours:	M/Tu/W/Th: 1:00-1:45pm, 3:15 – 4:00 p.m. • Please note that meetings and appointments can affect these hours. • Additional office hours are available by appointment
Instructor Background: Member of the Precious Blood Missionaries, the religious order which founded and sponsors CCSJ; M.S. in Mathematics from the University of Notre Dame; 30 graduate hours in Education from the University of Akron; graduate study in computer science at DePaul Univ.; 11 years as a high school math instructor (3 as a Principal); 38 years at CCSJ in computer, math, and as Registrar, including 12 years as head of math.	

Course Information:

Class Meetings:	Monday and Wednesday, 1:45-3:15 pm
Classroom:	263
Prerequisites:	MATH 103 with a grade of 'C' or better, or an equivalent Accuplacer© score.
Required Books and Materials:	1) Textbook: Waner/Costenoble, <u>Finite Mathematics</u> , 7 th edition, Cengage, 2018 (ISBN: 978-1-133-60577-5) 2) Scientific Calculator
Course Description: Topics include applied systems of linear systems, matrices, modeling, regression and curve-fitting, and linear programming. Application of technology to the solution of problems is stressed.	

Learning Outcomes/ Competencies:

Through appropriate assessments students will demonstrate that they are able to:

1. **Remember** the necessary steps and procedures for manipulating, simplifying, and solving: linear systems, matrices, modeling, regression and curve-fitting, and linear programming.
2. **Understand** what each procedure, manipulation, simplification, and solution means on a conceptual level.
3. **Apply** their understanding of linear systems, matrices, modeling, regression and curve-fitting, and linear programming to solve application problems.
4. **Analyze** problems in physics, economics, business, and biology to determine appropriate methods for solving them using finite skills and concepts.
5. **Evaluate** proposed solutions with respect to commonly accepted practices used in physics, economics, business, and biology.

This course meets the following General Education objectives:

Students can represent, apply, analyze, and evaluate relevant qualitative and quantitative mathematical and scientific evidence to support or refute an argument (e.g., using equations, graphs, diagrams, tables, words).

This course meets Calumet College of St. Joseph's Signature Assignment requirement to demonstrate fundamental competency in quantitative reasoning and scientific inquiry.

Learning Strategies:

Group discussions, lecture, lots of practice. Active participation in class and utilization of resources such as <http://www.wanermath.com>, <http://www.ixl.com>, www.khanacademy.com and the [CCSJ Student Success Center](#)

Experiential Learning Opportunities:

Application problems will be used in each chapter of the course.

Assessments:**Assignments and tests:**

Mathematics is a participation sport! Thus, written and on-line assignments are an integral part of the learning process. Working problems is crucial to your success. Collecting assignments and giving points for them are meant to serve as an incentive. On written assignments, problems should be numbered and adequate work shown for each, with answers clearly marked. Correct answers without accompanying work, where appropriate, will not be given credit. To receive full credit, work should be neat, organized and complete, and should include the student's name, date and class on each page. **DO NOT SKIP ANY PROBLEMS.** Be sure to **give yourself enough time to complete the written and on-line assignments** and to get help if needed. **LATE ASSIGNMENTS WILL NOT BE ACCEPTED.**

ASSIGNMENTS AND CLASS SCHEDULE ARE SUBJECT TO CHANGE AND WILL ALWAYS BE ANNOUNCED IN CLASS AND POSTED ON BLACKBOARD.

On-line and written assignments will be due with each test (see posted dates on Blackboard) at the beginning of class.

It is expected that you will spend 3-5 hours outside of class each week practicing math, as you MUST practice to succeed.

	<u>NO LATE HOMEWORK (WRITTEN OR ON-LINE) WILL BE ACCEPTED, SO PLAN ACCORDINGLY. IF YOU MUST BE ABSENT ON THE DAY A HOMEWORK ASSIGNMENT IS DUE, YOU MAY TURN IT IN EARLY.</u>																		
	Several <u>chapter tests</u> will be given during the term and <u>one comprehensive final exam</u> during exam week. Written and on-line assignments will also constitute part of the final grade. Several quizzes may be given during the term, announced in advance.																		
	<table> <tr> <td>Chapter tests</td> <td>65% of grade</td> </tr> <tr> <td>Comprehensive final exam</td> <td>20% of grade</td> </tr> <tr> <td>Written/online assignments, quizzes</td> <td>15% of grade</td> </tr> </table> <p>Grading Scale: (given as a percent of total possible points)</p> <table> <tr> <td>A: 93-100</td> <td>A-: 90-92</td> <td>B+: 87-89</td> <td>B: 83-86</td> <td>B-: 80-82</td> <td>C+: 77-79</td> </tr> <tr> <td>C: 73-76</td> <td>C-: 70-72</td> <td>D+: 67-69</td> <td>D: 63-66</td> <td>D-: 60-62</td> <td>F: below 60</td> </tr> </table>	Chapter tests	65% of grade	Comprehensive final exam	20% of grade	Written/online assignments, quizzes	15% of grade	A: 93-100	A-: 90-92	B+: 87-89	B: 83-86	B-: 80-82	C+: 77-79	C: 73-76	C-: 70-72	D+: 67-69	D: 63-66	D-: 60-62	F: below 60
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Course Schedule:

MATH 110A – SCHEDULE OF CLASSES – Fall, 2019 – Br. Basile	
SUBJECT TO CHANGE, AS ANNOUNCED IN CLASS AND ON BLACKBOARD	
Mon/Aug 26	Intro; Syllabus; Ch 0; Pre-test
Wed/Aug 28	Ch 0
Mon/Sep 2	<u>NO CLASS – Labor Day</u>
Wed/Sep 4	Ch 0
Mon/Sep 9	Ch 0; Ch 1
Wed/Sep 11	<u>Test, Ch 0; assignments for Ch 0 due at beginning of class</u>
Mon/Sep 16	Ch 1
Wed/Sep 18	Ch 1
Mon/Sep 23	Ch 1
Wed/Sep 25	Ch 1; Ch 3
Mon/Sep 30	<u>Test, Ch 1; assignments for Ch 1 due at beginning of class</u>
Wed/Oct 2	Ch 3
Mon/Oct 7	Ch 3
Wed/Oct 9	Ch 3
Mon/Oct 14	Ch 3
Wed/Oct 16	Ch 3; Ch 4
Mon/Oct 21	<u>Test, Ch 3; assignments for Ch 3 due at beginning of class</u>
Wed/Oct 23	Ch 4
(continued)	

Mon/Oct 28	Ch 4
Wed/Oct 30	Ch 4
Mon/Nov 4	Ch 4; Ch 5
Wed/Nov 6	<u>Test, Ch 4; assignments for Ch 4 due at beginning of class</u>
Mon/Nov 11	Ch 5
Wed/Nov 13	Ch 5
Mon/Nov 18	Ch 5
Wed/Nov 20	Ch 5
Mon/Nov 25	<u>NO CLASS – Fall Break</u>
Wed/Nov 27	<u>NO CLASS – Fall Break</u>
Mon/Dec 2	Ch 5
Wed/Dec 4	<u>Test, Ch 5; assignments for Ch 5 due at beginning of class</u>
Mon/Dec 9	Review for Final Exam
Wed/Dec 11	<u>FINAL EXAM</u>

Responsibilities	
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. 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 more responsibilities to keep up and meet the objectives of this course.</p> <p style="text-align: center;"><i>Eighty percent of success is showing up.</i> -Woody Allen</p> <p>Attendance is important and is expected (see "participation sport" message under Assignments, above). You are responsible for all material covered in class, including announcements of assignments and quizzes. <u>IF YOU MISS CLASS, YOU MUST CONTACT THE INSTRUCTOR BY E-MAIL (bbasile@ccsj.edu) OR PHONE (219-473-4280) WITHIN 24 HOURS, TO AVOID THE ASSESSMENT OF A FIVE (5) POINT PENALTY FOR EACH MISSED CLASS.</u> The instructor is more than willing to meet you halfway on this, but remember that there are TWO halves.</p> <p>Your lowest CHAPTER EXAM score (NOT final exam score) will be dropped. If you are absent on the day of an exam, that will be your dropped exam score. There are ABSOLUTELY NO make-up exams for any reason. That is why your lowest chapter exam score is dropped. If you have an athletic competition or other important appointment, send me an electronic notice at least 48 hours in advance and you can take the exam BEFORE your absence.</p>

<p>Turning In Your Work</p> <p>Meeting Standards for Classroom Behavior</p>	<p>You cannot succeed in this class if you do not turn in all your work by the day it is due. <u>LATE ASSIGNMENTS WILL NOT BE ACCEPTED.</u></p> <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. <p>Use electronic devices only for class purposes. Engage with your classmates and the instructor without technological distractions.</p>
<p>CCSJ Student Honor Code</p>	<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.
<p>Using Electronic Devices</p>	<p>As a matter of courtesy, electronic communication devices should be switched off; <u>texting is out of place.</u> In the event of necessity for answering a cell phone during class, please inform the instructor ahead of time and set the device to "vibrate", if possible, and answer it in the hallway. Use of laptops and tablets must be for class purposes only. NO ELECTRONIC DEVICES OTHER THAN CALCULATORS (BUT NOT THOSE ON PHONES) ARE ALLOWED DURING TESTS.</p>
<p>Participating in Class</p>	<p>Be on time and use the time for active participation with the material, asking questions and working problems.</p>
<p>Doing Your Own Work (College Policy)</p>	<p>If you turn in work that is not your own, you are subject to judicial review, and these procedures can be found in the College Catalog and the Student Planner. The maximum penalty for any form of academic dishonesty is dismissal from the College.</p>
<p>Tracking Your Progress</p>	<p>The Gradebook section on Blackboard provides up-to-date data on your progress throughout the term, including test scores, points on written and IXL assignments and your current overall Weighted Average for the course. In addition, your midterm grade will be</p>

	available on MyCCSJ between Weeks 6 and 8. Be sure to monitor your own progress and follow up with your instructor as needed.
Sharing Your Class Experience	At the end of the term, you will have the opportunity to evaluate your classroom experience. These confidential surveys are <i>essential</i> 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!
Withdrawing from Class	After the last day established for class changes has passed (see the College calendar), you may withdraw from a course by following the policy outlined in the CCSJ Course Catalog.
Resources	
CCSJ Textbook Rental Program	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.
Student Success Center (Tutoring Center):	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.
Disability Services:	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.
Student Assistance Program	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 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 .

Missionaries of the Precious Blood (Br. Ben’s religious order)

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