
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.

COURSE SYLLABUS, Fall 2018**Course: MATH 110A – Finite Mathematics****Instructor Information:**

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| Instructor Name | Br. Benjamin Basile, C.P.P.S. |
| Office Number: | 303 |
| Phone Number: | 219-473-4280 |
| Email: | bbasile@ccsj.edu |
| Hours Available: | M/W: 9:00 – 10:15 a.m., 3:15 – 4:30 p.m. Tu/Th: 9:00 – 11:30 a.m., 3:15 – 4:30 p.m. <ul style="list-style-type: none">• 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); 37 years at CCSJ in computer, as Registrar, and in math (12 years as head of math).

Course Schedule

| MATH 110A – SCHEDULE OF CLASSES – Fall, 2018 – Br. Basile | |
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| SUBJECT TO CHANGE, AS ANNOUNCED IN CLASS AND ON LACKBOARD | |
| Mon/Aug 27 | Intro; syllabus; dept. pre-test; Ch 0 |
| Wed/Aug 29 | Ch 0 |
| Mon/Sep 3 | <u>NO CLASS</u> – Labor Day Holiday |
| Wed/Sep 5 | Ch 0 |
| Mon/Sep 10 | Ch 0; Ch 1 |
| Wed/Sep 12 | <u>TEST, Ch 0; Assignments for Ch 0 due at beginning of class</u> |
| Mon/Sep 17 | Ch 1 |
| Wed/Sep 19 | Ch 1 |
| Mon/Sep 24 | Ch 1 |

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| Wed/Sep 26 | Ch 1; Ch 3 |
| Mon/Oct 1 | <u>TEST, Ch 1; Assignments for Ch 1 due at beginning of class</u> |
| Wed/Oct 3 | Ch 3 |
| Mon/Oct 8 | Ch 3 |
| Wed/Oct 10 | Ch 3 |
| Mon/Oct 15 | Ch 3 |
| Wed/Oct 17 | Ch 3; Ch 4 |
| Mon/Oct 22 | <u>TEST, Ch 3; Assignments for Ch 3 due at beginning of class</u> |
| Wed/Oct 24 | Ch 4 |
| Mon/Oct 29 | Ch 4 |
| Wed/Oct 31 | Ch 4 |
| Mon/Nov 5 | Ch 4;; Ch 5 |
| Wed/Nov 7 | <u>TEST, Ch 4; Assignments for Ch 4 due at beginning of class</u> |
| Mon/Nov 12 | Ch 5 |
| Wed/Nov 14 | Ch 5 |
| Mon/Nov 19 | <u>NO CLASS</u> – Thanksgiving Break |
| Wed/Nov 21 | <u>NO CLASS</u> – Thanksgiving Break |
| Mon/Nov 26 | Ch 5 |
| Wed/Nov 28 | Ch 5 |
| Mon/Dec 3 | Ch 5 |
| Wed/Dec 5 | <u>TEST, Ch 5; Assignments for Ch 5 due at beginning of class</u> |
| Mon/Dec 10 | Review for Final |
| Wed/Dec 12 | <u>FINAL EXAM</u> |

| Course Information: | |
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| Class Meetings: | Tuesday and Thursday, 12:00-1:30 pm |
| Classroom: | (TBA - see classroom schedule at beginning of term) |
| 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 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 throughout the course

| | Assessments: | | | | | | |
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| Assignments and tests: | <p>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. <u>Correct answers without accompanying work, where appropriate, will not be given credit.</u> To receive full credit, <u>work should be neat, organized and complete,</u> and should include the student's name, date and class on each page. DO NOT SKIP ANY PROBLEMS. Be sure to <u>give yourself enough time to complete the written and on-line assignments</u> and to get help if needed. LATE ASSIGNMENTS WILL NOT BE ACCEPTED.</p> <p>ASSIGNMENTS AND CLASS SCHEDULE ARE SUBJECT TO CHANGE AND WILL ALWAYS BE ANNOUNCED IN CLASS AND POSTED ON BLACKBOARD.</p> <p>On-line and written assignments will be due with each test (see posted dates on Blackboard) at the beginning of class.</p> <p><u>It is expected that you will spend 3-5 hours outside of class each week practicing math, as you MUST practice to succeed.</u></p> <p><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></p> | | | | | | |
| | <p>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.</p> <table style="margin-left: auto; margin-right: auto;"> <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> | Chapter tests | 65% of grade | Comprehensive final exam | 20% of grade | Written/online assignments, quizzes | 15% of grade |
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| | Grading Scale: (given as a percent of total possible points) 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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| Responsibilities | |
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| 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. <u>BE PRESENT; BE ON TIME</u></p> <p>Your lowest CHAPTER EXAM score (NOT final exam score) and lowest quiz score will be dropped. If you are absent on the day of an exam or quiz, that will be your dropped exam or quiz score.</p> <p>There are ABSOLUTELY NO make-up exams or quizzes for any reason. That is why your lowest chapter exam and quiz scores are 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> |
| Turning In Your Work | <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> |
| 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; |

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| | <ul style="list-style-type: none"> • 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. |
| Using Electronic Devices | Electronic devices other than calculators are out of place in the classroom. Please keep them silent and put away during class. Additionally, <u>NO ELECTRONIC DEVICES OTHER THAN CALCULATORS MAY BE USED ON QUIZZES OR EXAMS. CALCULATOR APPS ON PHONES MAY NOT BE USED.</u> |
| Participating in Class | You must be on time, stay for the whole class and show that you are prepared for class. Make sure to ask questions and do in-class work. Use your in-class time well. |
| Doing Your Own Work (College Policy) | 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.. |
| Tracking Your Progress | Check the Gradebook section of Blackboard regularly to see you current standing in the course. |
| 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 | |
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| 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. |

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| 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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