
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, Spring 2020

Course: ORMN 444, Section L1 Business Statistics

Instructor Information:	
Instructor Name	Bill Taylor
Office Number:	
Phone Number:	312-909-9675 Mobile phone. Best way to reach me by text. If you leave a text message, please remember to include your name so I know who it is.
Email:	wtaylor1@ccsj.edu
Office Hours:	By appointment
Instructor Background: My name is Bill Taylor. I am an Adjunct Instructor in the ORMN Program. I have a BA and MA degrees and some coursework toward a PhD in Economics. My focus was in Econometrics and Math Econ. I was in the field of Institutional Research for 11 years at Northern Illinois University and University of Louisville. I have spent 27 years in managerial positions in IT and Telecommunications in the Financial Services industry at Chicago Board Option Exchange, Reuters, Chicago Mercantile Exchange and the CME Group (which includes the Chicago Mercantile Exchange, Chicago Board of Trade, New York Mercantile Exchange and the Commodity Exchange of New York), While at the CME Group, I completed my coursework of a PhD in Research Methodology at Loyola University of Chicago. I taught both graduate and undergraduate Research Methods and Statistics courses at Loyola, Purdue University Northwest and Calumet College of St. Joseph.	

Course Information:	
Course Time:	8:00 to 10:00 P.M. Monday Evenings March 9, 16, 23, 30, April 6, 13, 20.
Classroom:	Room 300
Prerequisites:	Enrollment in the ORMN Program.
Required Books and Materials:	<i>Business Statistics, A First Course.</i> 7th Edition by Levine, Szabat and Stevenson
<p>Learning Outcomes/ Competencies: <i>Upon successful completion of the course, students will be able to:</i></p> <ol style="list-style-type: none"> 1. <i>Recognize questions for which the investigative process in statistics would be useful.</i> 2. <i>Understand the difference between descriptive and inferential statistics.</i> 3. <i>Produce graphical displays and numerical summaries to describe a data set.</i> 4. <i>Use the basic ideas of statistical inference, both hypothesis testing and interval estimation, in a variety of business settings.</i> 5. <i>Evaluate the quality of proposed solutions in respect to commonly accepted practices in business.</i> 6. <i>Analyze problems in the world of business to determine appropriate methods for solving them using appropriate statistical methods.</i> <p>This course meets the following learning objectives for the Organization Management Program:</p> <p>Be able to apply research skills and appropriate quantitative methods in order to evaluate and address real world problems in organizations.</p>	
<p>Course Description: This course introduces students to the gathering and interpretation of statistical data presented through a business lens. Topics include the graphical and numerical representation of data, probability, sampling, statistical inference, correlation, and regression. (3 hours)</p>	
<p>Learning Strategies: Quizzes, Test, Classroom Lecture, Classroom Discussions, On-line discussions. Course Project.</p>	
<p>Experiential Learning Opportunities: The Course Project will provide students with a real-world experience of researching a subject using primary and secondary sources, developing a Hypothesis and either supporting or rejecting that hypothesis with appropriate statistical procedures and techniques.</p>	

Course Schedule:

Week 1 3/9/2020	To Read Before Class: To work on at home:	Getting Started: Important Things to Learn First Chapter 1, "Defining and Collecting Data" (1.1 – 1.4) Chapter 2, Organizing and Visualizing Variables. (2.1 – 2.4) On-Line Discussion Topic Take Home Exam
Week 2 3/16/2020	To Read Before Class: To work on at home:	Chapter 3, "Numerical Descriptive Measures" (3.1 – 3.5) On-Line Discussion Topic Take Home Exam
Week 3 3/23/2020	To Read Before Class: To work on at home:	Chapter 4, "Basic Probability" (4.1 – 4.2) Chapter 6, "Normal Distribution" (6.1 – 6.3) On-Line Discussion Topic Take Home Exam
Week 4 3/30/2020	To Read Before Class: To work on at home:	Chapter 7, "Sampling Distributions" (7.1 – 7.3) Chapter 8, "Confidence Interval Estimation" (8.1 – 8.4) On-Line Discussion Topic Take Home Exam Class Research Project Handed out, Due 4/24/2020
Week 5 4/6/2020	To Read Before Class: To work on at home:	Chapter 9, "Fundamentals of Hypothesis Testing: One Sample Tests" (9.1 – 9.5) Chapter 10, "Two-Sample Tests and One-Way ANOVA" (10.1 – 10.3, 10.5) On-Line Discussion Topic Take Home Exam
Week 6 4/13/2020	To Read Before Class: To work on at home:	Chapter 11, "Chi-Square Tests" (11.1, 11.3) Chapter 12, "Simple Linear Regression" (12.1 – 12.5) On-Line Discussion Topic Take Home Exam
Week 7 4/20/2020	To Read Before Class: To work on at home:	Chapter 13, "Multiple Regression" (13.1 – 13.5) On-Line Discussion Topic Take Home Exam, Due 4/24/2020 Class Research Project Due 4/24/2020

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

Assessments:																
<p>Major Assignments: Assessments: There will be tests every class meeting. Discussions assigned for each topic will be graded</p> <p>Class Participation: Highly encouraged. It can be the “tie-breaker” for final grades “on the edge” of a grade border</p>																
<p>Grading Scale:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">100% – 92%: A</td> <td style="width: 33%;">91% – 90%: A-</td> <td style="width: 33%;"></td> </tr> <tr> <td>89% – 88%: B+</td> <td>87% – 82%: B</td> <td>81% – 80%: B-</td> </tr> <tr> <td>79% – 78%: C+</td> <td>77% – 72%: C</td> <td>71% – 70%: C-</td> </tr> <tr> <td>69% – 68%: D+</td> <td>67% – 62%: D</td> <td>61% – 60%: D-</td> </tr> <tr> <td>59% and below:</td> <td>F</td> <td></td> </tr> </table>		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	
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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. Being absent doesn’t excuse you from doing class work; you have more responsibilities to keep up and meet the objectives of this course. Because this course is offered on an accelerated schedule, I cannot emphasize how crucial it is to attend every class. I do realize there can be unforeseen circumstances that prevent you from attending class. I do ask that you let me know by email or text that you will not be here. If you are absent more than once, I will discuss, with the Program Director the option of removing you from the course.</p>															
Turning In Your Work	<p>You cannot succeed in this class if you do not turn in all your work when due. Assignments will be submitted online or via email as directed. Late work will be penalized 5% for one day, 10% for two days late. Assignments will not be accepted and will be counted as zero if later than two days</p>															
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. Phones should be turned off and stored out of reach. We only have a 2-hour class time and given this is an accelerated schedule, we need all the time we have for classroom activities. 															

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 Web page at http://www.ccsj.edu/library/subjectsplus/subjects/guide.php?subject=cite</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.</p>

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 .