Instructor: John C. Goodale, Ph.D.
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Office Hours: Monday 1:00-4:00pm, Tuesday 1:00-4:00pm, and by appointment

Introduction
This course is a doctoral seminar in Operations Management (OM). The purpose of this seminar is to study core areas in OM that are the primary foci of operations researchers today. For graduate students, this seminar can serve as an overview and a means to obtain foundational knowledge in OM. In addition, for those who have a specific interest in these topics, this course can further ones knowledge in the core areas and be the means for exploring specific OM topics for future inquiry. If OM is not your major area, then this seminar can provide Management breadth and perhaps motivate an investigation involving your core field of study.

Course Format
This seminar will follow a traditional doctoral seminar format. Each week we will consider about 4-6 papers addressing the weekly topic. Each student will be assigned a paper to present in approximately 30 minutes. The presenter will be the discussion leader. Everyone will turn in brief integrative summary of the week’s readings. It is expected that everyone will participate in an active and productive discussion of each paper. The semester will conclude with a final paper that should be a proposal for an OM-related research project.

Lastly, the following are the core topics that will be weekly topics for the seminar (see the attached reading list):

- Disciplinary Background
- History and Evolution
- Research Methodologies
- Theory Building
- Quality Management
- Service Operations
- Service Design
- Manufacturing Strategy
- Supply Chain Management
- Sustainability in Operations
- Lean and Time-based Competition
- Operations and Information Systems Interface
Performance Evaluation

Class Presentation and Participation  25%
Paper Summaries 25%
Final Paper (Including presentation) 25%
Exam 1 and Exam 2 25%

Class Participation

Class participation is determined by your preparedness for, and contribution to, the discussion regarding each paper. Attendance and active discussion are mandatory.

Individual Presentations and Discussion Leadership

The course schedule and reading list are in the last section of this syllabus. Individual presentations should address:

- The paper’s contribution to the existing literature
- Models & modeling assumptions
- Methods
- Results
- Generalizability of the study
- Possible extensions

Presenters should solicit the opinions and encourage participation of others during the presentation.

Paper Summaries

Each week, please turn in a two-page summary of the assigned papers. In general, the summary should Integrate, Evaluate, and Extend. That is, first find a common theme for the papers and elaborate on its elements. Second, comment about the value of the contributions achieved. Lastly, propose logical and novel extensions for this stream of research. Send the paper summaries to me by 8:00am on the day we discuss the paper.

Final Paper

This research paper assignment should be viewed as an opportunity to begin developing your final research paper that addresses a topic in Operations Management. The final paper should be in the format of an Academy of Management Review paper where its contents should include a clear statement of a novel theoretical problem, a review of the related literature, a model with theoretical development of a proposed explanation, and preliminary hypotheses.

For this assignment, choose a topic where you wish to focus and gain insight. Use the articles (discussions and directions for future research) covered in the seminar, thus far, to help you start identifying a gap in the literature
where potential contributions exist for filling it. Find additional studies in the literature to support your vision for the paper.

For Week 9, present your preliminary argument for your novel theoretical problem in a 20-25 minute presentation. You can then spend the rest of the semester researching and writing the paper.

Below is the mission statement for AMR:

**Mission Statement**

"The mission of the *Academy of Management Review (AMR)* is to publish new theoretical insights that advance our understanding of management and organizations. *AMR* is receptive to a variety of perspectives, including those seeking to improve the effectiveness of, as well as those critical of, management and organizations. Submissions to AMR must extend theory in ways that permit the development of testable knowledge-based claims. To do this, researchers can develop new management and organization theory, significantly challenge or clarify existing theory, synthesize recent advances and ideas into fresh, if not entirely new theory, or initiate a search for new theory by identifying and delineating a novel theoretical problem. The contributions of *AMR* articles often are grounded in "normal science disciplines" of economics, psychology, sociology, or social psychology as well as nontraditional perspectives, such as the humanities. *AMR* publishes novel, insightful and carefully crafted conceptual work that challenges conventional wisdom concerning all aspects of organizations and their roles in society."
Operations Management Reading List and Course Schedule

Week 1 Disciplinary Background (Jan 22)

1. Editorial Policies of JOM, POM, MS, and DS.


Week 2 History and Evolution (Jan 29)


Week 3 Research Methodologies in OM (Feb 5)


**Week 4 Theory Building in OM (Feb 12)**


**Week 5 Quality Management (Feb 19)**


**Week 6 Service Operations (Feb 26)**


**Week 7 Exam 1 (March 5)**

**Spring Break (March 12)**

**Week 8 Service Operations Design (Mar 19)**


**Week 9 Manufacturing Strategy (Mar 26)**


Week 10 Operations Management and Information Systems Interface (Apr 2)


Week 11 Final Paper Proposals and Supply Chain Management I (April 9)

Week 12 Supply Chain Management II (Apr 16)


Week 13 Sustainability in Operations (Apr 23)


Week 14  Time-based and Lean Manufacturing (Apr 30)


Week 15  Research Proposal Presentations and Exam 2 (May 7)

Week 16  Exam 2 (May 14)
IMPORTANT DATES *
Semester Class Begins ...........................................01/20/2015
Last day to add a class (without instructor permission): ........01/25/2015
Last day to withdraw completely and receive a 100% refund: ..02/01/2015
Last day to drop a course using SalukiNet: ..........................04/05/2015
Last day to file diploma application (for name to appear in Commencement program): ..................................................03/13/2015
Final examinations: ..................................................03/15–5/15/2015

Note: For outreach, internet, and short course drop/add dates, visit Registrar's Academic webpage http://registrar.siu.edu/

SPRING SEMESTER HOLIDAYS
Martin Luther King, Jr.'s Birthday 01/19/2015
Spring Vacation 03/07—03/15/2015

WITHDRAWAL POLICY ~ Undergraduate only
Students who officially register for a session may not withdraw merely by the stopping of attendance. An official withdrawal form needs to be initiated by the student and processed by the University. For the proper procedures to follow when dropping courses and when withdrawing from the University, please visit http://registrar.siu.edu/pdf/ugradcatalog1314.pdf

INCOMPLETE POLICY~ Undergraduate only
An INC is assigned when, for reasons beyond their control, students engaged in passing work are unable to complete all class assignments. An INC must be changed to a completed grade within one semester following the term in which the course was taken, or graduation, whichever occurs first. Should the student fail to complete the course within the time period designated, that is, by no later than the end of the semester following the term in which the course was taken, or graduation, whichever occurs first, the incomplete will be converted to a grade of F and the grade will be computed in the student's grade point average. For more information please visit: http://registrar.siu.edu/grades/incomplete.html

REPEAT POLICY
An undergraduate student may, for the purpose of raising a grade, enroll in a course for credit no more than two times (two total enrollments) unless otherwise noted in the course description. For students receiving a letter grade of A,B,C,D, or F, the course repetition must occur at Southern Illinois University Carbondale. Only the most recent (last) grade will be calculated in the overall GPA and count toward hours earned. See full policy at http://registrar.siu.edu/pdf/ugradcatalog1314.pdf

GRADUATE POLICIES
Graduate policies often vary from Undergraduate policies. To view the applicable policies for graduate students, please visit http://gradschool.siu.edu/about-us/grad-catalog/index.html

DISABILITY POLICY
Disability Support Services provides the required academic and programmatic support services to students with permanent and temporary disabilities. DSS provides centralized coordination and referral services. To utilize DSS services, students must come to the DSS to open cases. The process involves interviews, reviews of student-supplied documentation, and completion of Disability Accommodation Agreements. http://disabilityservices.siu.edu/

PLAGIARISM CODE

MORRIS LIBRARY HOURS
http://www.lib.siu.edu/about

SAFETY AWARENESS FACTS AND EDUCATION
Title IX makes it clear that violence and harassment based on sex and gender is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. If you or someone you know has been harassed or assaulted, you can find the appropriate resources here: http://safe.siu.edu

SALUKI CARES
The purpose of Saluki Cares is to develop, facilitate and coordinate a university-wide program of care and support for students in any type of distress—physical, emotional, financial, or personal. By working closely with faculty, staff, students and their families, SIU will continue to display a culture of care and demonstrate to our students and their families that they are an important part of the community. For Information on Saluki Cares: (618) 453-5714, or siucares@siu.edu, http://salukicares.siu.edu/index.html

EMERGENCY PROCEDURES
Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. We ask that you become familiar with the SIU Emergency Response Plan and Building Emergency Response Team (BERT) programs. Please reference the Building Emergency Response Protocols for Syllabus attachments on the following pages. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency.

INCLUSIVE EXCELLENCE
SIU contains people from all walks of life, from many different cultures and sub-cultures, and representing all strata of society, nationalities, ethnicities, lifestyles, and affiliations. Learning from and working with people who differ is an important part of education as well an essential preparation for any career. For more information please visit: http://www.inclusiveexcellence.siu.edu/

LEARNING AND SUPPORT SERVICES
Help is within reach. Learning support services offers free tutoring on campus and math labs. To find more information please visit the Center for Learning and Support Services website:

Tutoring: http://tutoring.siu.edu/
Math Labs: http://tutoring.siu.edu/math_tutoring/index.html

WRITING CENTER
The Writing Center offers free tutoring services to all SIU students and faculty. To find a Center or Schedule an appointment please visit http://write.siu.edu/

AFFIRMATIVE ACTION & EQUAL OPPORTUNITY
Our office's main focus is to ensure that the university complies with federal and state equity policies and handles reporting and investigating of discrimination cases. For more information visit: http://diversity.siu.edu/

Additional Resources Available:

SALUKINET: https://salukinet.siu.edu/cp/home/displaylogin
ADVISEMENT: http://advisement.siu.edu/
SIU ONLINE: http://online.siu.edu/

Spring 2015 R.O'Rourke