

Wayland Mission Statement

Wayland Baptist University exists to educate students in an academically challenging, learning-focused, and distinctively Christian environment for professional success, and service to God and humankind.

Contact Information

Course: MGMT 5318 VC01 – Production and Operations Management

Campus: WBU Online

Term/Session: Spring 1 2026 (12 Jan – 7 Mar 2025)

Instructor: Dr. Ernie Rahn

Office Phone Number/Cell #: (912) 655-5036

WBU Email Address: Ernest.Rahn@wayland.wbu.edu

Office Hours, Building, and Location: “e” office hours: Mon-Fri, 8:00 AM - 5:00 PM

Class Meeting Time and Location: On-line through Wayland Baptist University Virtual Campus

Catalog Description:

Operational problems in physical and human resources used in production of goods and services.

Prerequisite:

BUAD 5300

Textbook Information

Required Textbook(s) and/or Required Materials:

BOOK	AUTHOR	ED	YEAR	PUBLISHER	ISBN#
<u>Operations Management</u>	Heizer	14th	2023	Pearson	9780-13747-6442

*This course is part of the **Pioneer Academic Access Program**. You will have access to an eBook, access code, and interactive learning material on the first day of class through your Blackboard course site. You will be notified via email with access instructions and additional information. If the course requires a physical book you can order at bookstore.wbu.edu. You can choose to opt-out, however if you do you will lose access to **EVERY class/material** and have to source through third party vendors.*

Optional Materials:

American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7th ed.). Author. (ISBN: 978-1433832154)

APA Website: <http://www.apastyle.org/pubmanual.html>

Course Outcome Competencies:

- Analyze planning, designing, directing, and controlling of physical and human resources used in production of goods and services.
- Analysis the management of quality in production of goods using statistical process control.
- Analysis cost control and quality in supply-chain operations.
- Apply material requirements planning to inventory and supply-chain management.
- Formulate solutions to operations issues in the subsystems of physical, location, storage, and general service.

Attendance Requirements

WBUonline

You are expected to participate in all required instructional activities in their courses. Online courses are no different in this regard; however, participation must be defined in a different manner. Student “attendance” in an online course is defined as active participation in the course as described in the course syllabus. Instructors in online courses are responsible for providing students with clear instructions for how they are required to participate in the course.

Additionally, instructors are responsible for incorporating specific instructional activities within their course and will, at a minimum, have weekly mechanisms for documenting student participation. These mechanisms may include, but are not limited to, participating in a weekly discussion board, submitting/completing assignments in Blackboard, or communicating with the instructor. Students aware of necessary absences must inform the professor with as much advance notice as possible in order to make appropriate arrangements. Any student absent 25 percent or more of the online course, i.e., non-participatory during 2 or more weeks of an 8-week session, may receive an F for that course. Instructors may also file a Report of Unsatisfactory Progress for students with excessive non-participation. Any student who has not actively participated in an online class prior to the census date for any given session is considered a “no-show” and will be administratively withdrawn from the class without record.

The Census Date for the Spring I term is January 16, 2026. To be counted as actively participating, it is not sufficient to log in and view the course. The student must be submitting work as described in the course syllabus. Additional attendance and participation policies for each course, as defined by the instructor in the course syllabus, are considered a part of the university’s attendance policy.

University Policies

Academic Integrity:

[Link to Statement on Academic Integrity](#)

Artificial Intelligence: **No use of any generative AI tools permitted.**

1. Students are required to create and produce all work themselves or with assigned group members. Any work submitted that has used an AI generative tool like ChatGPT will be in immediate violation of the academic integrity policies for the course and WBU.
2. All assignments must be fully created, designed, and prepared by the student(s).
3. Any work that uses generative AI will be treated as plagiarism.

Disability Statement: In compliance with the Americans with Disabilities Act of 1990 (ADA), it is the policy of Wayland Baptist University that no otherwise qualified person with a disability be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational program or activity in the university. The Disability Services Coordinator and Academic Coach serves as the coordinator of students with disabilities and must be contacted concerning accommodation requests. Office: (806) 291-1057. Documentation of a disability must accompany any request for accommodations.

Course Requirements and Grading Criteria

Course Assessment Activities: Throughout this course, you will demonstrate your mastery of the concepts covered by participating in discussion board threads, completing homework assignments, and conducting case studies of selected topics. For this course, the weekly homework assignments take the place of traditional exams and the case studies take the place of traditional research paper requirements.

Discussion Boards: Each week, we will have a Discussion Board topic based on the Week's topic. You should respond to each discussion during its associated week. Follow the instructions in the forum for due dates. Additionally, you should respond substantively to a minimum of two other initial posts as well as to any questions posted to your initial post by the end of the week (i.e., responses to week 1 discussion must be complete by Sunday, midnight, of week 1). The quality of your responses within these weekly discussion board sessions will be assessed.

Discussion Board Participation contribute 24% toward your final grade.

Homework Assignments: Each week, there is a homework assignment due. The requirements will vary with each assignment, but the questions will be based on the information from the assigned readings for the week. These assignments are designed to ensure you grasp the concepts from the reading and give you a chance to demonstrate that understanding.

Homework Assignments contribute 32% toward your final grade.

Quizzes: In Weeks 2, 4, 6, and 8, we will have an open book, non-cumulative quiz covering the textbook chapters from the current and prior week of the Quiz. Each quiz will be multiple choice and have 25 questions. **Quizzes contribute 32% toward your final grade.**

Case Studies: In Weeks 3 and 7, there will be a case study based on the course materials covered in the week assigned and the weeks prior. Each case study should have 5 sections: (1) Summary, (2) identification of the problem, (3) your recommendations, (4) answers to any case study questions, and (5) your reflections on the case. Include a title page and reference page (no abstract) and utilize APA styling. Case studies should have approximately 3-5 pages of body and include at least 1 scholarly reference aside from the course text (minimum of 2). **Case Studies contribute 12% toward your final grade.**

Procedures Used to Compute Final Course Grade:

Evaluated Area	Percentage
1. Discussion Board Posts and Substantive Peer Interaction	24%
2. Homework Assignments x 8	32%
3. Quizzes x 4	32%
4. Case Studies x 2	12%

Student Grade Appeals: Students shall have protection through orderly procedures against prejudices or capricious academic evaluation. A student who believes that he or she has not been held to realistic academic standards, just evaluation procedures, or appropriate grading, may appeal the final grade given in the course by using the student grade appeal process described in the Academic Catalog. Appeals may not be made for advanced placement examinations or course bypass examinations. Appeals are limited to the final course grade, which may be upheld, raised, or lowered at any stage of the appeal process. Any recommendation to lower a course grade must be submitted through the Vice President of Academic Affairs to the Faculty Assembly Grade Appeals Committee for review and approval. The Faculty Assembly Grade Appeals Committee may instruct that the course grade be upheld, raised, or lowered to a more proper evaluation.

Tentative Schedule

This course outline serves merely as the anticipated roadmap to be used during this 8-week program. However, due to circumstances and the dynamic nature of this course, there may be some changes in the schedule. Should this happen, you will be advised by your WBU email, and we will discuss it as a class.

Week	Dates	Topic/Activities/Discussions
1	12 Jan 2026 to 18 Jan 2026	Course Overview / Operations Strategies in a Global Environment Read: Heizer, Render, & Munson, Ch. 1 and 2 Participate: Week 1 Discussion Submit: Week 1 Homework Assignment
2	19 Jan 2026 to 25 Jan 2026	Project Management / Forecasting Read: Heizer, Render, & Munson, Chapters. 3 and 4 Participate: Week 2 Discussion Submit: Week 2 Homework Assignment Complete: Week 2 Quiz Review: Week 3 Case Study
3	26 Jan 2026 to 1 Feb 2026	Design of Goods and Services / Supply Chain Management Read: Heizer, Render, & Munson, Chapters 5, 5 Sup, 11, and 11 Sup Participate: Week 3 Discussion Submit: Week 3 Homework Assignment Submit: Week 3 Case Study
4	2 Feb 2026 to 8 Feb 2026	Managing Quality / Process Strategy and Sustainment Read: Heizer, Render, & Munson, Chapters 6, 6 Sup, 7, 7 Sup Participate: Week 4 Discussion Submit: Week 4 Homework Assignment Complete: Week 4 Quiz
5	9 Feb 2026 to 15 Feb 2026	Location Strategies / Layout Strategies Read: Heizer, Render, & Munson, Chapters 8 and 9 Participate: Week 5 Discussion Submit: Week 5 Homework
6	16 Feb 2026 to 22 Feb 2026	Human Resources / Inventory Management Read: Heizer, Render, & Munson, Chapters 10 and 12 Participate: Week 6 Discussion Submit: Week 6 Homework Assignment Complete: Week 6 Quiz Review: Week 7 Case Study

7	23 Feb 2026 to 1 Mar 2026	Aggregate Planning / Material Requirements Planning Read: Heizer, Render, & Munson, Chapters 13 and 14 Participate: Week 7 Discussion Submit: Week 7 Homework Submit: Week 7 Case Study
8	2 Mar 2026 to 7 Mar 2026	Short-Term Scheduling / Lean Operations / Maintenance & Reliability Read: Heizer, Render, & Munson, Chapters 15, 16, and 17 Participate: Week 8 Discussion Submit: Week 8 Homework Assignment Complete: Week 8 Quiz

Note: Changes in the Syllabus: Although this course is expected to follow the syllabus as written, the instructor reserves the right to adjust the syllabus. The instructor will inform the students of all major changes in a reasonable and timely manner.

Additional Information

Student Responsibilities: You are responsible for reading, understanding, and obeying all academic policies appearing in the Wayland Baptist University *Academic Catalog* applicable to their curriculum and/or program of study.

Assignment Submission: All assignments will have due dates and late penalties. Failure to submit assignments on time will result in a 10% grade reduction per 24-hour period following the due date. No assignments will be accepted more than 7 days late without prior coordination.

Information/Notification: Any directives concerning class will be sent to your Wayland email account. It is imperative that you check the course blackboard information throughout the semester.

Additional Course Requirements: Any directives concerning class will be sent to your Wayland email account. It is imperative that you check the course blackboard information and your Wayland email throughout the semester.

Classroom Courtesy: Exhibit courtesy to everyone in your class by posting initial discussion responses in a timely manner and substantively interacting with one another. Keep discussion content in line with the course instructions and expectations.

Format of Course Deliverables: All course assignments must be submitted no later than the assignment due date. Written assignments must be constructed in Times New Roman, 12 pt. font, double spaced, and submitted following APA (7th Edition) guidelines using Microsoft Word.