

COURSE SYLLABUS

COURSE TITLE: Advanced Plant Management	TIME & PLACE: OnlineIndependent Study
TERM & YEAR:	OFFICE LOCATION/HOURS: Onlineby appointment
COURSE NUMBER: MGT 5013	NUMBER OF CREDIT HOURS: 3
HELP DESK EMAIL: help@trine.edu	HELP DESK PHONE: (260) 665-4275, 1-877-236-7682

COURSE DESCRIPTION: *Systems and methods associated with planning and monitoring in the manufacturing environment including forecasting, master production scheduling, materials requirement planning, and shop floor engagement. Integrated aspects of manufacturing resource planning and enterprise resource planning as well as the effects of just-in-time administration.*

PREREQUISITES: Must be admitted to either the MSEM or Certificate Program

REQUIRED TEXT:

1. Benton, W.C. (2014) *Supply Chain Focused Manufacturing Planning and Control, 1st Edition* ISBN-10: 1-133-58671-6
2. American Psychological Association (2010). *Publication Manual of the American Psychological Association* (6th edition). Washington DC: American Psychological Association.

OTHER MATERIALS: The professor reserves the right to assign additional readings.

LEARNING OUTCOMES: Upon completion of this course, the student should be able to:

1. Develop appropriate forecasting methods and measure the validity of the methods.
2. Describe the process and importance of master production scheduling.
3. Generate schedules using several different strategies and evaluate schedules using various performance measures.
4. Describe the nature and dynamics of a supply chain and discuss the impact of supply-chain management on other aspects of operations (inventory, scheduling, etc.).
5. Illustrate the effects of various inventory policies on the level of inventory and associated costs, and describe appropriate applications of each policy.
6. Compare traditional inventory policies to both material requirements planning and just-in-time manufacturing.
7. Define and analyze a metric based production system.
8. Facilitate the various cross-functional teams vital to the success of employee engagement.

GRADING/EVALUATION:

Individual Assignments	Points
Weekly Articles	400
Reading Quizzes	180
Mid-Term	100
Final	100
Total	780

NOTE: All written assignments must conform to the guidelines set forth by the American Psychological Association.

TRINE GRADUATE GRADING SCALE:

Grade	Percentage	Quality Points	Meaning of Grade
A	93-100	4.0	Excellent
B+	87-92	3.5	Very Good
B	81-86	3.0	Good
C+	75-80	2.5	Above Average
C	70-74	2.0	Average (lowest passing grade)
F	00-69	0.0	Failure
I	Incomplete	Not figured into GPA	
IP	In Progress (grade deferred)	Not figured into GPA	
W	Withdrawal	Withdrawal before completion of 80% of semester	
WP	Withdrawal	Withdrawal after completion of 80% of semester issued only under special circumstances and with approval of the department chair/director	

ATTENDANCE/PARTICIPATION: Attendance means that you have logged into the class. It DOES NOT mean that you have participated. Please notify instructor in writing (email) of absence. If absent, it is the student's responsibility to make up for the resulting deficiencies.

OTHER POLICIES:

1. Homework must have a professional appearance. As in business, the overall impression of the assignment will be graded along with the content. Homework will be assigned at the end of class and will be due at the beginning of the next class.
2. Students should read assigned materials prior to the beginning of class on the assigned day to help ensure preparedness for discussing/analyzing/applying concepts during class.
3. Students should be prepared to share ideas during class both formally and informally throughout the term and will be evaluated accordingly.

ACADEMIC MISCONDUCT

The University prohibits all forms of academic misconduct. Academic misconduct refers to, but is not limited to, the following activities:

- Copying another person's work and claiming it as your own, or submitting the same paper in two different courses without knowledge and consent of the instructor (plagiarism);
- Using the work of a group of students when the assignment requires individual work;
- Looking at or attempting to look at an examination before it is administered;
- Using materials during an examination that are not permitted;
- Allowing another student to take your examination for you;
- Intentionally impeding the academic work of others;
- Using any electronic device to transmit portions of questions or answers on an examination to other students;
- Using any electronic device to improperly store information for an exam;
- Knowingly furnishing false information to the University; ▪ Assisting other students in any of the acts listed above.

Moreover, a student is expected to submit his/her own work and to identify any portion of work that has been borrowed from others in any form. An ignorant act of plagiarism on final versions and minor projects, such as attributing or citing inadequately, will be considered a failure to master an essential course skill and is considered Academic Misconduct. A deliberate act of plagiarism, such as having someone else do your work or submitting someone else's work as your own (e.g., from the Internet, fraternity file, etc., including homework and in-class exercises), is also Academic Misconduct and will result in more serious penalties.

In situations of Academic Misconduct, instructors have the authority to award a failing grade on the assignment in question or a failing grade for the course. Upon approval by the appropriate Dean, Academic Misconduct may also result in expulsion from the University.

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Level 1

An ignorant act of plagiarism on final versions and minor projects, such as attributing or citing inadequately, will be considered a failure to master an essential course skill and is considered Academic Misconduct.

Evidence suggests the offense may have arisen from a temporary panic or from confusion. No evidence suggests that the student or students engaged in sustained or especially serious violation of academic integrity.

Intervention ○ We Care Alert Filed ○ Meet with Faculty, Program Director and Advisor

Level 2

Second violation of academic integrity, when the first offense was level 1.

Evidence suggests Student has made no attempt to improve integrity of work or students engaged in sustained or especially serious violation of academic integrity. **Intervention** ○ We Care Alert filed ○ Failing Grade for Course ○ Placed on Academic Integrity Probation ○ Must Issue a Personal Improvement Plan ○ Notification of Appropriate Parties of Interest ○ Meet with Program Director

Level 3

A deliberate act of plagiarism, such as having someone else do your work or submitting someone else's work as your own (e.g., from the Internet, fraternity file, etc., including homework and in-class exercises), is also Academic Misconduct and will result in more serious penalties.

Evidence suggests individual engaged in sustained or an especially serious violation of academic integrity. For example, deliberate plagiarism, purchase of work or cheating on an examination may be in this category.

Intervention

- We Care Alert Filed ○ Failing Grade for Course
- Immediate Disciplinary Dismissal from Program and University communicated by the Dean of Graduate Studies ○ Notification of Appropriate Parties of Interest

ELECTRONIC DEVICES:

Use of electronic devices including smart watches and cell phones is prohibited during exams or quizzes unless directly allowed by the instructor.

GRADE APPEALS

The awarding of grades is the prerogative of the classroom instructor in accordance with policies posted in the Trine University Catalog. Faculty members are responsible for informing students of their grading policy. Grades become official when they are reported to the Registrar. If a faculty member discovers incorrectly reported grades due to miscalculation or clerical error, the error should be reported to the Registrar immediately on the prescribed form. The appropriate program chair/director must approve any adjustment of grades.

A student who disagrees with an assigned grade will take the following steps:

- Approach the professor and explain the problem.
- If the professor and student do not come to an agreement, the student should write a letter to the program director/chair.
- If the program director/chair's mediation does not resolve the issue, the student should file a written appeal to the Dean.

If these steps do not resolve the problem, or if impractical, the student may petition the Grade Review Board in writing for a hearing of the issue. Information regarding this may be obtained from the Vice President for Academic Affairs. The petition shall set forth in detail the basis for the review. This should be done by the midterm of the first regular term following the assignment of the grade. The Board may grant an extension of this time limit. If the Board agrees to hear the case, it will so inform the student by the end of that term. In grade review cases, the student is responsible for presenting evidence to support his/her position.

At the Grade Review Hearing, the student shall present his/her argument followed by the professor's response. The Board shall promptly prepare a written recommendation and forward copies to all parties involved, including the Chairperson and Vice President for Academic Affairs. The report shall include dissenting opinions on the Board, if any. Recommendations of the Board are advisory. In cases involving death, incapacity, or prolonged inaccessibility of the professor, or in similar unusual circumstances, the professor's immediate supervisor is responsible for assigning the grade.

Records of each case heard by the Board shall be maintained in the office of the Vice President for Academic Affairs. If the student or professor involved wishes to appeal the decision on procedural grounds, he/she should file an appeal within two working days for the decision with the Vice President for Academic Affairs. If any procedural irregularities are discovered, he/she will notify the student and the Board within ten working days after the appeal.

The Vice President for Academic Affairs shall appoint the faculty members who will serve on the Board. He shall choose one regular member and one alternate (who will be from a different department, if possible) from each school. In addition, the Student Senate shall elect two student members and their alternates. Student members must have junior or senior standing. The faculty members shall serve three-year, staggered terms, and faculty members serving their third year will chair the committee. Student members shall serve one-year terms.

Office Hours

Since this is an online class, please note I will not be *available 24/7*. As the instructor for this class, I am typically online in the morning and then periodically throughout the day. Generally, I am not online after 7 p.m. If you send an email, you can expect a reply in 24 hours or less. If I happen to miss an email from you, please choose a different method to reach me, such as calling me. Leave a message with your name and the course information, so that I can quickly identify what to reference for your question. Remember to try and resolve any issue with me first. If we cannot find solution, we can contact the Dean for assistance.

COURSE OUTLINE

Week	End Date	Reading	Assignments
1	11/1	Chapters 1 and 2	Reading Comprehension Quiz 1
			Article Review #1
2	11/8	Chapters 3 and 4	Reading Comprehension Quiz 2
	17-Jun		Article Review #2
3	11/15	Chapters 5 and 6	Reading Comprehension Quiz 3
			Article Review #3
4	11/22	Midterm Exam Chapters 1-6	
			Article Review #4
5	11/29	Chapters 7 and 8	Reading Comprehension Quiz 4
	1-Jul		Article Review #5
6	12/6	Chapters 9 and 10	Reading Comprehension Quiz 5
			Article Review #6
7	128- /13Jul	Chapters 11 and 12	Reading Comprehension Quiz 6
			Article Review #7
8	12/17	Final Exam Chapters 7-12	
	15-Jul		Article Review #8

22-Jul

28-Jul