



## **Production Planning & Control Lab**

**OSCM 3334A    Fall 2021**

**Instructor:** Dr. José Humberto Ablanedo-Rosas

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**Class Hours:** T 1:30 – 2:50 p.m. BUSN 328

**Face-to-Face Office Hours:** R 9:30 am – 1:00 pm

**Online Office Hours:** W 6:00 – 7:30 pm and R 6:00 – 7:30 pm (Link posted on Blackboard)

### **Reference Books:**

*Production Planning and Control (SAP PP) with SAP ERP*, by Jawad Akhtar, 2nd Edition, SAP PRESS, 2016 (ISBN 978-1-4932-1431-0).

*Manufacturing Planning and Control*, by F. Robert Jacobs, William L. Berry, D. Clay Whybark, and Thomas E. Vollmann. McGraw Hill, Sixth Edition (ISBN 978-0-07-337782-7).

*The SAP Materials Management Handbook*, by Ashfaque Ahmed, CRC Press Taylor & Francis Group (ISBN: 978-1-4665-8162-3).

*Introduction to SAP and ERPsim: For HEC Montreal's ERPsim Distribution Game*, by Tim Rutherford, Independently published (ISBN-13: 979-8503905960).

### **Course description (From Goldmine)**

Production Planning and Control Lab. This course covers the configuration and implementation of Manufacturing Planning and Control concepts in an ERP system. It includes the practice of Demand Management, Resource Planning, Sales and Operations Planning, Capacity Requirements Planning, and Material Requirements Planning. Some emphasis will be placed on Process Management.

Welcome to Production Planning and Control Lab, the official information for OSCM 3334 Lab course, including grades, will be posted on Blackboard. You are responsible for reading the “Announcements”, “Assignments”, and any other information concerning this course; check your Blackboard account daily.

### **Objectives:**

At the completion of this course, students will be able to:

1. Conduct demand management processes in an ERP system.
2. Perform sales and operations planning in an ERP system.
3. Determine and plan capacity requirements in an ERP system.
4. Manage and control business processes in an ERP system.
5. Execute manufacturing planning & control processes in an ERP system.

### **Prerequisite:**

OSCM 3333 or may be taken concurrently.

### **Grading Policy:**

Grades for this course will be based on the percentage of successful completion of the laboratory exercises.

Percent	Grade
90 to 100	A
80 to 89	B
70 to 79	C
60 to 69	D
Below 60	F

There are no curves, bonus points, extra credit, etc. The final numerical grade is not rounded up, for example, 89.99 is not rounded up and since  $89.99 < 90$  the corresponding final grade is “B”.

## **COURSE POLICIES**

### **1. Academic Integrity**

Cheating is unethical and not acceptable. Plagiarism is using information or original wording in a paper without giving credit to the source of that information or wording; it is also not acceptable. Do not submit work under your name that you did not do yourself. You may not submit work for this class that you did for another class. If you are found to be cheating or plagiarizing, you will be subject to disciplinary action, per UTEP catalog policy. Refer to <http://www.utep.edu/dos/acadintg.htm> for further information.

## **2. Missed Lab Sessions**

You are expected to come to class, pay attention, and take good notes. If you miss the class, it is your responsibility to obtain notes from your classmates and complete the corresponding lab assignments.

## **3. Need for Assistance**

The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of University programs, services and activities with documented disabilities in order to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship on the University. Students requesting an accommodation based on a disability must register with the UTEP Center for Accommodations and Support Services (CASS). Contact the Center for Accommodations and Support Services at 915-747-5148, or email them at [cass@utep.edu](mailto:cass@utep.edu), or apply for accommodations online via the CASS portal.

## **4. Student Responsibility**

Individual students must operate with integrity in their dealings with faculty and other students; engage the learning materials with appropriate attention and dedication; maintain their engagement when challenged by difficult learning activities; contribute to the learning of others; and perform to standards set by the faculty.

## **COVID-19 Precautions**

If you have tested positive for COVID-19, you are encouraged to report your results to [covidaction@utep.edu](mailto:covidaction@utep.edu), so that the Dean of Students Office can provide you with support and help with communication with your professors. It is important to follow all instructions that you receive as part of the diagnosis, including isolation and staying at home until a negative test is produced.

If you experience COVID-19 symptoms, please follow the isolation protocol by staying at home and getting tested as soon as possible. If the test is negative but you are still seeking accommodations, please contact the Dean of Students Office for guidance in a timely manner. Your instructor will work with the Dean of Students Office to determine the extent of any such accommodations.

We strongly encourage you to think and act proactively in all matters related to COVID-19 and your academic endeavors. The Center for Disease Control and Prevention recommends that people in areas of substantial or high COVID-19 transmission wear face masks when indoors in groups of people. The best way that Miners can take care of miners is to get the vaccine. If you still need the vaccine, it is widely available in the El Paso area, and will be available at no charge on campus during the first week of classes. For more information about the current rates, testing, and vaccinations, please visit [epstrong.org](http://epstrong.org).

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### Course Outline:

Lecture	Lab Session
1 (Aug 24)	Introduction to logging on to SAP and Navigation
2 (Aug 31)	Master Data I: Material Masters
3 (Sep 7)	Master Data I: Material Masters
4 (Sep 14)	Master Data II: BOMs and Routings
5 (Sep 21)	Master Data II: BOMs and Routings
6 (Sep 28)	Forecasting and Sales and Operations Planning
7 (Oct 5)	Forecasting and Sales and Operations Planning
8 (Oct 12)	Master Scheduling and Material Requirements Planning
9 (Oct 19)	Master Scheduling and Material Requirements Planning
10 (Oct 26)	Master Scheduling and Material Requirements Planning
11 (Nov 2)	Purchasing and Financial Accounting
12 (Nov 9)	Purchasing and Financial Accounting
13 (Nov 16)	Production Planning
14 (Nov 23)	Production Planning
15 (Nov 30)	Production Planning