



SCM 301

Supply Chain Management

Dr. Varun Gupta
Email: Use CANVAS course e-mail
Office: Burke 261, Phone ☎: x6266
Office Hours: Tuesday and Thursday: 1030AM to 1230PM
Course Website: Canvas
Class meeting times and locations: M T W R 6pm-8:30am, Burke 204

This course outline is tentative and the instructor reserves the right to make changes.

Course Description: SCM 301 is an introductory course that provides an overview of key logistics and supply chain management processes, concepts, and methodologies. Emphasis is given to the framework for supply chain management, the analysis of logistics cost, and service trade-offs among inventory, transportation, and warehousing activities, the strategic role of information technology in supply chains, the use of third-party logistics providers, and the methods of measuring the value of logistics performance. Instruction is based on problem-based learning pedagogy.

Prerequisite(s): **ACCTG 211, ECON 102, SCM 200 or STAT 200.**

Required Text: *Operations Management, Managing Global Supply Chains*, 1st edition, Sage Publications.

Authors: Ray R. Venkataraman and Jeffrey K. Pinto; **ISBN-13:** 978-1506377636

Suggested Text: *Operations Management*, 12th edition, William J. Stevenson, Irwin/McGraw Hill, 2014.

Course Objectives:

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

- ✓ To develop an understanding of the various stages of supply chain management with emphasis on the production (operations) function and its role in organizations and within the field of supply chain management.
- ✓ To develop an understanding of and familiarity with the concepts and tools of production management.
- ✓ To develop skills in the analysis, planning and design, and control of production systems.
- ✓ In an effort to present the subject matter in unified terms, the field of production management is treated as a system and studied within a supply chain framework. The scope of coverage is rather broad as production management is viewed as including industries engaged in provision of services as well as manufacturing of goods.

Grading Policy:

	%	Points
Online Homeworks (10 × 3%)	30%	150
Pop Quizzes (5 × 2%)	10%	50
Exam 1	25%	125
Final Exam	30%	150
Class Participation	5%	25
Total	100%	500

You are responsible to check your grades on Canvas and report in the case of any discrepancy.

Letter Grade Distribution:

≥ 93.00	A	77.00 - 79.99	C+
90.00 - 92.99	A-	70.00 - 76.99	C
87.00 - 89.99	B+	60.00 - 69.99	D
83.00 - 86.99	B	≤ 59.99	F
80.00 - 82.99	B-		

Your final grade will not be rounded up and there will be no exceptions to this policy. For example, if your final grade is 92.8%, you will have earned an "A-".

The instructor reserves the right to modify the total course point by adding or eliminating assignments based on the class progress.

Late submission policy: Submissions after the due date will not be accepted. Please do not wait until the last minute to start your homework.

Classroom Policies:

- i) **Office Hours:** You are encouraged to utilize the office hours to discuss your questions or comments. You are also welcome to reach me through email (best way!) and phone.
- ii) **Lectures:** Class sessions will consist of instructors lecturing, dialogue and discussions, interactive class exercises, and activities all of which target you to be active learners.
- iii) **Lecture Notes and Handouts:** Lecture notes and handouts will be distributed frequently and will be available on Canvas.
- iv) **Course Webpage:** Canvas will be used to make announcements and post lecture notes, assignments, and other relevant course materials.
- v) **Missed Exams/Quizzes:** No make-up exam will be given unless you have excuses due to regularly scheduled, University-approved curricular and extracurricular activities and other legitimate but unavoidable reasons. You must notify the instructor via written documentation prior to the exam date, if a prior notification is not possible, as soon as possible. If you miss the final exam due to illness, a doctors verification is required for a make-up final exam.

Course Organization: This course is built on class discussions, and problem solving. In addition to understanding what is discussed in the class and the cases, you need to read the textbook before the class. Doing so will help reinforce the concepts and build your knowledge of the material. Various aspects of this course have been designed to help you with the learning process. I give below a set of

guidelines, which should help you get the maximum benefit out of this course. Of course, the learning process is highly individualistic and hence you may explore and find out what works the best for you.

- i) **Textbook:** The textbook is meant to supplement the class sessions. I do not cover all chapters from the textbook. You are required to read the textbook chapters ahead of the class. This will familiarize you with what we discuss in the class and put you in a better position to participate in class discussions.
- ii) **Homework Problems:** At the end of some lectures I will list homework problems which will be posted on Canvas. These are for your practice.
- iii) **Exams:** There are two exams in this course. All exams are closed-notes and closed-book. Please mark your calendars for the dates of the exams. If you have a strong reason for missing an exam, you need to get in touch with me before the exam (through phone or e-mail). There will be absolutely no make-up exams. Under compelling reasons you may take an exam early.
- iv) **Final Exam:** There is a **final exam** in the course!
- v) **Lecture Material:** I post my lecture notes and all other course related materials on Canvas. You should download them and bring a printout to the class. The lecture notes are not self-explanatory. They are more useful if you attend the lectures. Important information and announcements will be made in class and posted on Canvas.
- vi) **Class Attendance and Participation:** Students should attend every lecture. There is incentive and reward for fully preparing for the class, attending, and participating in the class. Participation includes not just attendance but more importantly reading the book and preparing for the cases before coming to the class, doing your homework, and actively and constructively participating in class discussions. During discussions quality matters more than quantity. I encourage you to be an active learner.
- vii) **Missed classes:** Do not miss any class. It is student's responsibility to make-up for the missed classes. This includes the course material covered and any specific announcements regarding the exams, quizzes, and the grading.
- viii) **Calculator:** Always bring a calculator to the class. A PDA or cell phone is not allowed as a replacement for a calculator.

Academic Integrity: Penn State Behrend puts a very high value on academic integrity, and violations are not tolerated. Academic integrity is one of Penn State's four principles to which all students must abide. This principle states:

I will practice academic integrity. Academic integrity is a basic guiding principle for all academic activity at Penn State University, allowing the pursuit of scholarly activity in an open, honest, and responsible manner. In accordance with the University's Code of Conduct, I will practice integrity in regard to all academic assignments. I will not engage in or tolerate acts of falsification, misrepresentation, or deception because such acts of dishonesty violate the fundamental ethical principles of the University community and compromise the worth of work completed by others.

Any violation of academic integrity will receive academic and possibly disciplinary sanctions, including the possible awarding of an XF grade which is recorded on the transcript and states that failure of the

course was due to an act of academic dishonesty. All acts of academic dishonesty are recorded so repeat offenders can be sanctioned accordingly.

More information on academic integrity can be found at: [Academic Integrity Website](#).

Academic and Career Planning Center (ACPC): can assist students with the process of career and life planning through a full range of programs and services. You may schedule appointments with ACPC staff to discuss issues including interests, skills, values, and goal setting as well as how to find career information, internships, full-time jobs, and graduate schools. You are encouraged to utilize the services of the ACPC every year from first semester to graduation.

ACPC Location: Reed Union Building, Room 125 (Second Floor)

ACPC Phone 📞: 814-898-6164

ACPC Web Site: <https://psbehrend.psu.edu/Academics/academic-services/acpc>

Writing tutoring is available in the Learning Resource Center:, 203 John M. Lilley Library, 4951 College Drive, Erie, PA 16563.

For more information please go to: [Penn State Behrend Learning Resource Center](#).

Note to students with disabilities: Penn State is strongly committed to providing full access to its programs and services for all individuals. The University encourages academically qualified students with disabilities to take advantage of the educational programs offered at Penn State Behrend. The Office of Educational Equity and Diversity Programs, located in the Student Affairs Suite, on the second floor of the Reed Union Building, provides assistance and support for students. A disability services coordinator provides services tailored to meet the specific needs of each student.

For more information please go to: [Penn State Behrend Disability Services](#).

Tentative Course Timeline:

Week	Date	Topic	Readings
I	8-May	Introduction to Managing Global Operations and Supply Chains Operations and Supply Chain Strategies	Chapter 1 Chapter 2
	9-May	Product and Service Innovations for Global Operations and Supply Chains	Chapter 4
	May 10 and 11	Demand Forecasting Methods	Chapter 13
II	15-May	Supply Chain Design and Location Planning for Global Operations and Supply Chains	Chapter 8
	16-May	Process Design and Layout Planning	Chapter 9
	17-May	Managing for Quality	Chapter 5
	18-May	Quality Improvement and Control Tools	Chapter 6
	22-May	<i>Exam 1 review session</i>	
	23-May	EXAM 1	
III	24-May	Inventory Management	Chapter 15
	25-May	Inventory Control Models for Independent Demand Sales and Operations Planning Capacity Planning for Global Operations and Supply Chains	Chapter 16 Chapter 17 Chapter 7
	29-May	<i>Memorial Day</i>	<i>No Class</i>
IV	May 30 and 31	Master Scheduling, Material Requirements Planning	Chapter 18
	1-Jun	Logistics Management Lean Operations and Supply Chains	Chapter 11 Chapter 14
	5-Jun	<i>Final Exam review session</i>	
V	7-Jun	FINAL EXAM	