

Units 1

Unit Title

Using Operations to Create Value

Description

This unit will provide an overview of Operations Management (OM), the relationship to Supply Chain Management (SCM). The importance and relevance of OM and how OM can contribute to an international organization achieving its goals.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

Required Readings

Lecture

Unit 1 Lecture: Using Operations to Create Value
(CSLO 1, 2)

Required Readings

Required Text Book: Chapter 1
(CSLO 1, 2)

Resources

PowerPoint Slides on Chapter 1
Lecture Notes for Chapter 1
(CSLO 1, 2)

Discussion Forums

Discussion Question

Unit 1 DQ: ds [(Required/Graded: 15 points) CSLO 1, 2]

Unit 1 DQ Question: Examine how OM can contribute to an organization achieving its goals. Compare OM and SCM and describe the relationship between OM and SCM.

Assignments

Assignment 1

AS: Using Operations to Create Value [(Required/Graded: 45 Points) CSLO 1, 2]

AS Description: The purpose of this assignment is to create in the student an understanding of how OM can contribute to the successful achievement of organizational goals. Emphasis is placed on international firms.

AS Instructions: Describe how OM can contribute to the success of an international manufacturing corporation. Use an example of a manufacturing company whose products you are familiar with. Discuss how OM can impact their success, or failure. Give two brief examples of OM related activities.

Upload in Word format, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit1 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 2

Unit Title

Process Strategy and Analysis

Description

This unit will provide an overview of Processes used in Operations Management (OM), the relationship between processes and strategy and how a pattern of decisions are made in managing processes to better contribute to an international organization achieving its goals.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 3: Apply analytical and quantitative skills to solve problems in operations.

Required Readings

Lecture

Unit 2 Lecture: Process Strategy and Analysis
(CSLO 1, 3)

Required Readings

Required Text Book: Chapter 2
(CSLO 1, 3)

Resources

PowerPoint Slides on Chapter 2
Lecture Notes for Chapter 2
(CSLO 1, 3)

Discussion Forums

Discussion Question

Unit 2 DQ: Process Strategy and Analysis [(Required/Graded: 15 points) CSLO 1, 3]

Unit 2 DQ Question: How would you make a decision on which type of processes (strategy) to implement in a business? What resources would you consider in your decision making?

Assignments

Assignment 1

AS: Process Strategy and Analysis [(Required/Graded: 55 Points) CSLO 1, 3]

AS Description: The purpose of this assignment is to create in the student an understanding of how process structures in manufacturing and service organizations differ, and when to use process re-engineering opposed to process improvement. And, how process optimization can contribute to the successful achievement of organizational goals.

AS Instructions: Describe a situation in manufacturing when you would choose to implement process improvement as opposed to process reengineering, explain the reasons for your decision. Give a brief example. Describe a situation in the services sector where you would choose to implement process improvement as opposed to process reengineering, explain the reasons for your decision. Give a brief example.

Upload in Word format, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit2 AS2 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 3

Unit Title

Quality and Performance

Description

This unit will provide an overview of assignment is to create in the student an understanding of Quality and Performance in OM, the relationship between the two, a familiarity with known best practices for achieving high Quality and Performance and how high Quality and Performance can contribute to an international organization achieving its goals.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 3: Apply analytical and quantitative skills to solve problems in operations. operations management.

Required Readings

Lecture

Unit 3 Lecture: Quality and Performance
(CSLO 1, 2, 3)

Required Readings

Required Text Book: Chapter 3
(CSLO 1, 3)

Resources

PowerPoint Slides on Chapter 3
Lecture Notes for Chapter 3
(CSLO 1, 3)

Discussion Forums

Discussion Question

Unit 3 DQ: Quality and Performance [(Required/Graded: 15 points) CSLO 1, 2, 3]

Unit 3 DQ Question: Examine how OM can contribute to an organization achieving its goals. Compare OM and SCM and describe the relationship between OM and SCM.

Assignments

Assignment 1

AS: Quality and Performance [(Required/Graded: 45 Points) CSLO 1, 2, 3]

AS Description: The purpose of this assignment is to create in the student an understanding of Quality and Performance in OM, the relationship between the two, and a familiarity with known best practices for achieving high quality and performance.

AS Instructions: Describe the cost/benefit relationship involved in achieving high quality and high performance in a manufacturing company. Use an example of a manufacturing company whose products you are familiar with. Compare the Six Sigma process and the TQM process as they would apply to the same company.

Upload in Word format, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit3 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 4

Unit Title

Capacity Planning

Description

This unit will provide an overview of Capacity Planning in Operations Management (OM), the way in which capacity is measured and calculated, and how to prioritize efforts to increase production capacity of an organization. The importance and relevance of Capacity Planning, and how Capacity Planning can contribute to an international organization achieving its goals.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 3: Apply analytical and quantitative skills to solve problems in operations.

Required Readings

Lecture

Unit 4 Lecture: Capacity Planning
(CSLO 1, 2, 3)

Required Readings

Required Text Book: Chapter 4
(CSLO 1, 3)

Resources

PowerPoint Slides on Chapter 4
Lecture Notes for Chapter 4
(CSLO 1, 2, 3)

Discussion Forums

Discussion Question

Unit 4 DQ: Capacity Planning [(Required/Graded: 15 points) CSLO 1, 3]

Unit 4 DQ Question: Compare three of the tools that can be used for Capacity Planning, and the pros and cons of each. Examine how Capacity Planning can contribute to an organization achieving its goals.

Assignments

Assignment 1

AS: Capacity Planning [(Required/Graded: 45 Points) CSLO 1, 3]

AS Description: The purpose of this assignment is to create in the student an understanding of how Capacity Planning can contribute to the successful achievement of organizational goals. Emphasis is placed on international firms.

AS Instructions: Compare Economies and Diseconomies of Scale, and the circumstances that would make each a viable option. Use an example of a manufacturing company whose products you are familiar with. Appraise how Capacity Planning can be used to impact sizing capacity cushions. Use an example of a manufacturing company whose products you are familiar with.

Upload in Word format, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit4 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 5

Unit Title

Constraint Management

Description

This unit will provide an overview of Constraint Management, the relationship between Constraint Management and Capacity Management, an understanding of Drum Buffer Rope, and Theory of Constraints. The importance and relevance of Constraint Management and how optimization of Constraints Management can contribute to an international organization achieving its goals.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 3: Apply analytical and quantitative skills to solve problems in operations.

Required Readings

Lecture

Unit 5 Lecture: Constraint Management
(CSLO 1, 2, 3)

Required Readings

Required Text Book: Chapter 5
(CSLO 1, 3)

Resources

PowerPoint Slides on Chapter 5
Lecture Notes for Chapter 5
(CSLO 1, 2, 3)

Discussion Forums

Discussion Question

Unit 1 DQ: Constraint Management [(Required/Graded: 15 points) CSLO 1, 2]

Unit 1 DQ Question: Compare and Contrast the principles of Theory of Constraints and the Drum Bummer Rope Systems. Explain how each can contribute to an organization achieving its goals.

Assignments

Assignment 1

AS: Constraint Management [(Required/Graded: 45 Points) CSLO 1, 3]

AS Description: The purpose of this assignment is to create in the student an understanding of how Constraint Management can contribute to the successful achievement of organizational goals. Emphasis is placed on two established theories of Constraint Management.

AS Instructions: Describe how Drum Buffer Rob System can impact the capacity of an international manufacturing corporation. Use an example of a manufacturing company whose products you are familiar with. Describe how Theory of Constraints can impact the capacity of the same corporation. Give specific detailed examples of each.

Upload in Word format, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit5 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 6

Unit Title

Lean Systems

Description

This unit will provide an overview and background of Lean Systems in OM, the comparison between established best practices in Lean Systems management and the related terminology. The importance and relevance Lean Systems, and how Lean System implementation can contribute to an international organization achieving its goals.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 3: Apply analytical and quantitative skills to solve problems in operations.

Required Readings

Lecture

Unit 6 Lecture: Lean Systems
(CSLO 1, 2, 3)

Required Readings

Required Text Book: Chapter 6
(CSLO 1, 3)

Resources

PowerPoint Slides on Chapter 6
Lecture Notes for Chapter 6
(CSLO 1, 3)

Discussion Forums

Discussion Question

Unit 6 DQ: Lean Systems [(Required/Graded: 15 points) CSLO 1, 3]

Unit 6 DQ Question: Compare and Contrast JIT Supply Chain Management with Value Stream Mapping. Describe a situation where each one would be clearly more suitable than the other. Examine and explain specifically how Process Considerations in Lean Systems can contribute to an organization achieving its goals.

Assignments

Assignment 1

AS: Lean Systems [(Required/Graded: 60 Points) CSLO 1, 3]

AS Description: The purpose of this assignment is to create in the student an understanding of the established methodologies for Lean Systems and how they can contribute to the successful achievement of organizational goals. Emphasis is placed on international firms.

AS Instructions: Present a concise, but complete explanation of The Toyota Production System. Refer to the figure from the text book and PowerPoint lecture. Give an example of each part of the system in the diagram using a manufacturing company whose products you are familiar with.

Upload in Word format, 200-400 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit6 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 7

Unit Title

Project Management

Description

This unit will provide an overview of Project Management (PM) within the context of OM and Supply Chain Management (SCM). The importance of PM and how PM can contribute to an international organization achieving its goals. Emphasis is placed on the development and use of diagramming tools used in PM

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 3: Apply analytical and quantitative skills to solve problems in operations.

CSLO 5: Create and effectively communicate solutions to the operations issues identified in the project.

Required Readings

Lecture

Unit 7 Lecture: Project Management
(CSLO 1, 2)

Required Readings

Required Text Book: Chapter 7
(CSLO 1, 2, 5)

Resources

PowerPoint Slides on Chapter 7
Lecture Notes for Chapter 7
(CSLO 1, 3, 5)

Discussion Forums

Discussion Question

Unit 7 DQ: Project Management [(Required/Graded: 15 points) CSLO 1, 2, 3]

Unit 7 DQ Question: Discuss the rationale for the use of diagrams in Project Management. Explain when, and why you would choose each of the three methods for estimating activity times.

Assignments

Assignment 1

AS: Project Management [(Required/Graded: 55 Points) CSLO 1, 2, 3, 5]

AS Description: The purpose of this assignment is to create in the student an understanding of the principles of Project Management, the phases of a project, and how Project Management can contribute to the successful achievement of organizational goals. Emphasis is placed on use of diagrams and the diagraming process.

AS Instructions: Describe the types of diagrams used in Project Management, and what each is used for. Discuss the rationale for the use of diagrams in Project Management. Use an example of a manufacturing company whose products you are familiar with, and their proposed expansion of their plant.

Upload in Word format, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit7 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 8

Unit Title

Forecasting

Description

This unit will provide an overview of Forecasting and the accepted methods of Forecasting. The importance and relevance of effective Forecasting and how forecasting can contribute to an international organization achieving its goals. Emphasis is placed on the application of different methodologies in resource requirements forecasting within the context of manufacturing.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 3: Apply analytical and quantitative skills to solve problems in operations.

Required Readings

Lecture

Unit 8 Lecture: Forecasting
(CSLO 1, 3)

Required Readings

Required Text Book: Chapter 8
(CSLO 1, 2, 3)

Resources

PowerPoint Slides on Chapter 8
Lecture Notes for Chapter 8
(CSLO 1, 2, 3)

Discussion Forums

Discussion Question

Unit 8 DQ: Forecasting [(Required/Graded: 15 points) CSLO 2, 3]

Unit 8 DQ Question: Compare and contrast the different methodologies used in forecasting. Analyze each, explain the pros and cons of each method and when you would best be selected for use. Give original specific examples to support your comments.

Assignments

Assignment 1

AS: Forecasting [(Required/Graded: 20 Points) CSLO 3]

AS Description: The purpose of this assignment is to create in the student an understanding of the principles of Forecasting, and how effective Forecasting can contribute to the successful achievement of organizational goals. Emphasis is placed achieving familiarity with the established methodologies of Forecasting and when to use each one.

AS Instructions: Describe each of the five basic time series patterns, give an example of each using the example of a manufacturing company whose products you are familiar with. Discuss which of the five you feel is most accurate, and why?

Upload in Word format, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit8 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 9

Unit Title

Inventory Management

Description

This unit will provide an overview of Inventory Management (IM), the relationship between Inventory Management and Supply Chain Management (SCM) and the importance and relevance of IM and how IM can contribute to an international organization achieving its goals.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 3: Apply analytical and quantitative skills to solve problems in operations.

Required Readings

Lecture

Unit 9 Lecture: Inventory Management
(CSLO 1, 2, 3)

Required Readings

Required Text Book: Chapter 9
(CSLO 1, 2, 9)

Resources

PowerPoint Slides on Chapter 9
Lecture Notes for Chapter 9
(CSLO 1, 2, 3)

Discussion Forums

Discussion Question

Unit 9 DQ: Inventory Management [(Required/Graded: 15 points) CSLO 1, 2]

Unit 9 DQ Question: Examine how Annual Holding Cost is calculated. Based on your understanding of Annual Holding Cost, do you think it is a useful tool for management inventory and making IM decisions? For context, use the example of a computer memory manufacturing company in China.

Assignments

Assignment 1

AS: Inventory Management [(Required/Graded: 60 Points) CSLO 1, 3]

AS Description: The purpose of this assignment is to create in the student an understanding of how Inventory Management can contribute to the successful achievement of organizational goals. Emphasis is placed on understanding the methods of calculating inventory holding costs, ordering costs, and annual cycle inventory cost.

AS Instructions: Choose any five assumptions that you like. (That are not included in the text book). For context use a medium sized manufacturing company in China. Calculate the EOQ. Show and explain your calculations.

Upload in Word format with imbedded tables/Excel, 100-200 words, APA style. Show calculations. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit9 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 10

Unit Title

Operations Planning & Scheduling

Description

This unit will provide an overview of Operations Planning and Scheduling (OPS), with an emphasis on balancing supply with demand. The established strategies for OPS will be reviewed and explored through practical applications of the methods. The importance and relevance of OPS and how OPS can contribute to an international organization achieving its goals will be examined.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 4: Analyze the operations of a firm and work within a project team to identify possible issues and problems.

Required Readings

Lecture

Unit 10 Lecture: Operations Planning & Scheduling
(CSLO 4)

Required Readings

Required Text Book: Chapter 10
(CSLO 2, 4)

Resources

PowerPoint Slides on Chapter 10
Lecture Notes for Chapter 10
(CSLO 1, 4)

Discussion Forums

Discussion Question

Unit 10 DQ: Operations Planning & Scheduling [(Required/Graded: 15 points) CSLO 4]

Unit 10 DQ Question: Discuss Chase, Level and Mixed Strategies for OPS. Identify situations where each one would best be applied. Give original examples. Explain how OPS can contribute to an organization achieving its goals.

Assignments

Assignment 1

AS: Operations Planning & Scheduling [(Required/Graded: 40 Points) CSLO 1, 4]

AS Description: The purpose of this assignment is to create in the student an understanding of how OPS can contribute to the successful achievement of organizational goals through the systematic application of established strategies. Emphasis is placed on international firms.

AS Instructions: Prepare a Gantt Progress Chart for a medium sized manufacturing company. Use an example of a manufacturing company whose products you are familiar with. Discuss how OPS can impact their success, or failure. Give a brief example of what could go wrong, and the consequences to the production schedule.

Upload in Word format with embedded Chart/Image, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit10 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 11

Unit Title

Resource Planning

Description

This unit will provide an overview of Operations Management (OM), the relationship to Supply Chain Management (SCM). The importance and relevance of OM and how OM can contribute to an international organization achieving its goals.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 3: Apply analytical and quantitative skills to solve problems in operations.

Required Readings

Lecture

Unit 11 Lecture: Resource Planning
(CSLO 1, 2, 3)

Required Readings

Required Text Book: Chapter 11
(CSLO 1, 2, 3)

Resources

PowerPoint Slides on Chapter 11
Lecture Notes for Chapter 11
(CSLO 1, 2, 3)

Discussion Forums

Discussion Question

Unit 11 DQ: Resource Planning [(Required/Graded: 15 points) CSLO 1, 2, 3]

Unit 11 DQ Question: Discuss how the MRP and MPS differ, what each is used for, and the relationship between them. What are the component, or parts of each, and which is more useful in Resource Planning?

Assignments

Assignment 1

AS: Resource Planning [(Required/Graded: 40 Points) CSLO 3]

AS Description: The purpose of this assignment is to create in the student an understanding of how Resource Planning can contribute to the successful achievement of organizational goals. Emphasis is placed on preparing and understanding the diagrams used in Resource Planning.

AS Instructions: Use an example of a product you are familiar with, prepare an MRP Explosion diagram for that product. Use BOM, assemblies and sub-assemblies in your example.

Upload in Word format, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit11 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 12

Unit Title

Supply Chain Design

Description

This unit will provide an overview of Operations Management (OM), the relationship to Supply Chain Management (SCM). The importance and relevance of OM and how OM can contribute to an international organization achieving its goals.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 3: Apply analytical and quantitative skills to solve problems in operations.

Required Readings

Lecture

Unit 12 Lecture: Supply Chain Design
(CSLO 1, 2, 3)

Required Readings

Required Text Book: Chapter 12
(CSLO 1, 2, 3)

Resources

PowerPoint Slides on Chapter 12
Lecture Notes for Chapter 12
(CSLO 1, 2, 3)

Discussion Forums

Discussion Question

Unit 12 DQ: Supply Chain Design [(Required/Graded: 15 points) CSLO 2, 3]

Unit 12 DQ Question: Examine how the Supply Chain Efficiency Curve is applied in the case of a medium sized manufacturing company in China. How can you tell when there is an opportunity

to become more efficient? What are the key pieces of information you would need to conduct the analysis of the Supply Chain Efficiency Curve?

Assignments

Assignment 1

AS: Supply Chain Design [(Required/Graded: 30 Points) CSLO 1, 3]

AS Description: The purpose of this assignment is to create in the student an understanding of how Supply Chain Design is conducted, what tools and information are needed and how both internal and external pressures can be included in the determination of Supply Chain Demand. And, how Supply Chain Design can contribute to the successful achievement of organizational goals. Emphasis is placed on measuring Supply Chain Performance in Financial Terms.

AS Instructions: Describe each of the Supply Chain Designs discussed in class. Explore the pros and cons of each and when you would most likely use each style. Use original examples. For context, use an international manufacturing company that is well known.

Upload in Word format, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit12 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 13

Unit Title

Supply Chain Logistic Networks

Description

This unit will provide an overview of Supply Chain Logistic Networks (SCLN), the methods of designing optimal logistics networks for manufactured products, including facility and inventory locations and transportation options. The importance and relevance of SCLN and how SCLN can contribute to an international organization achieving its goals is explored including how SCLN can impact financial performance of the organization.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 3: Apply analytical and quantitative skills to solve problems in operations.

Required Readings

Lecture

Unit 13 Lecture: Supply Chain Logistic Networks
(CSLO 1, 2, 3)

Required Readings

Required Text Book: Chapter 13
(CSLO 1, 2, 3)

Resources

PowerPoint Slides on Chapter 13
Lecture Notes for Chapter 13
(CSLO 1, 2, 3)

Discussion Forums

Discussion Question

Unit 13 DQ: Supply Chain Logistic Networks [(Required/Graded: 15 points) CSLO 1, 2]

Unit 13 DQ Question: Discuss how inventory placement and facilities location can impact financial performance. Include consideration of topics included in prior chapters. For context, use the example of a medium sized manufacturing company in China. Compare OM and SCM and describe the relationship between OM and SCM.

Assignments

Assignment 1

AS: Supply Chain Logistic Networks [(Required/Graded: 40 Points) CSLO 3]

AS Description: The purpose of this assignment is to create in the student an understanding of how Supply Chain Logistics Networks can impact customer satisfaction, financial performance of a company and can contribute to the successful achievement of organizational goals. Emphasis is placed on international firms.

AS Instructions: Describe how the tradeoffs in Supply Chain Logistic Networks can be balanced, and how to calculate the optimal location of a new plant. Use an example of a manufacturing company whose products you are familiar with. Explain how the optimal balance of inventory placement and facility location can be calculated and achieved.

Upload in Word format with embedded table/image/graphic, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit13 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 14

Unit Title

Supply Chain Integration

Description

This unit will provide an overview of Supply Chain Integration (SCI) and how technology has driven globalization in the manufacturing sectors. The evolving relationship between OM, and Supply Chain Management (SCM) is examined. The importance and relevance of SCI and how SCI can contribute to an international organization achieving its goals is emphasized.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

Required Readings

Lecture

Unit 14 Lecture: Supply Chain Integration
(CSLO 1, 2)

Required Readings

Required Text Book: Chapter 14
(CSLO 1, 2)

Resources

PowerPoint Slides on Chapter 14
Lecture Notes for Chapter 14
(CSLO 2)

Discussion Forums

Discussion Question

Unit 14 DQ: Supply Chain Integration [(Required/Graded: 15 points) CSLO 1, 2]

Unit 14 DQ Question: Discuss the upstream and downstream business partners for the small factory that was discussed in the lecture. Identify which ones could most likely be integrated, how many levels in each direction, up and down, could be integrated, and how. How do you think the Supply Chain Integration could best be optimized? What disruptions are possible, and how could those disruptions best be mitigated?

Assignments

Assignment 1

AS: Supply Chain Integration [(Required/Graded: 60 Points) CSLO 1, 2]

AS Description: The purpose of this assignment is to create in the student an understanding of how Supply Chain Integration can contribute to the successful achievement of organizational goals. Emphasis is placed on international firms and on an exploration of supply chain disruptions.

AS Instructions: Describe how Supply Chain disruptions interact with the Bullwhip effect, and how their interaction can impact a company. Give an original example. For context, use an example of a manufacturing company whose products you are familiar with.

Upload in Word format, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit1 AS14 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 15

Unit Title

Supply Chain Sustainability

Description

This unit will provide an overview of Supply Chain Sustainability (SCS), the importance and relevance of Supply Chain Sustainability and how SCS can contribute to an international organization achieving its goals including meeting stakeholder needs without harming future generations.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

Required Readings

Lecture

Unit 15 Lecture: Supply Chain Sustainability
(CSLO 1, 2)

Required Readings

Required Text Book: Chapter 15
(CSLO 1, 2)

Resources

PowerPoint Slides on Chapter 15
Lecture Notes for Chapter 15
(CSLO 2)

Discussion Forums

Discussion Question

Unit 15 DQ: Supply Chain Sustainability [(Required/Graded: 15 points) CSLO 2]

Unit 15 DQ Question: Consider the interrelationships and how the Three Elements of Supply Chain Sustainability can be balanced. Does Environmental or Social Responsibility come at the cost of Financial Responsibility? If so, why, if not, why?

Assignments

Assignment 1

AS: Supply Chain Sustainability [(Required/Graded: 60 Points) CSLO 2]

AS Description: The purpose of this assignment is to create in the student an understanding of how Supply Chain Sustainability can be achieved, whether, or to what extent, social and environmental sustainability will negatively impact financial performance and how SCS can contribute to the successful achievement of organizational goals. Emphasis is placed on achieving an understanding of the Triple Bottom Line.

AS Instructions: For context, use the example of a medium sized manufacturing company in China whose products you are familiar with. Discuss how that company could achieve Supply Chain Sustainability using a combination of methods discussed in this Unit. Use specific examples for each of the Three Elements of Supply Chain Sustainability.

Upload in Word format, 100-200 words, APA style. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit1 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded in ODC

Unit 16

Unit Title

International Operations Management Recommendations

Description

This unit will provide an opportunity to apply the basic concepts and topics covered in the previous 15 Units and to present those concepts and topics within the context of a series of recommendations to a fictional or real company. The importance and relevance of OM and how OM can contribute to an international organization achieving its goals is emphasized.

Course Student Learning Outcomes for this Unit

Through this unit students will be able to:

CSLO 1: Understand the core features of the operations management function and how operations strategy supports business objectives.

CSLO 2: Discuss the international scope and the social and environmental impact of operations management.

CSLO 4: Analyze the operations of a firm and work within a project team to identify possible issues and problems.

CSLO 5: Create and effectively communicate solutions to the operations issues identified in the project.

Required Readings

Lecture

Unit 16 Lecture: International Operations Management Recommendations (CSLO 1, 2, 4, 5)

Required Readings

Consulting Project Assignment
(CSLO 4, 5)

Resources

PowerPoint Slides:

Case Studies Made Easy

Presentation Skills

Using PowerPoint for Presentations

(CSLO 4, 5)

Discussion Forums

Discussion Question

Unit 16 DQ: International Operations Management Recommendations [(Required/Graded: 15 points) CSLO 1, 2, 3, 4, 5]

Unit 16 DQ Question: Discuss what you believe is the most important point made in each Unit of this course. Some Units may have more than one important point, so choose the one you believe is most relevant, and then explain your choices.

Assignments

Assignment 1

AS: International Operations Management Recommendations [(Required/Graded: 60 Points) CSLO 1, 2, 3, 4, 5]

AS Description: The purpose of this assignment is to coalesce in the student an understanding of the basic concepts of OM, and to demonstrate that knowledge in an organized, concise and clear presentation within the context of a series of recommendations prepared by a “Consultant” to a “Client” organization.

AS Instructions: Prepare a video presentation where you make a series of 12 recommendations to the Owners and Senior Managers of a medium sized manufacturing company in China. Give specific recommendations regarding how they can optimize their Operations Management in order to better achieve their goals, which in this case we assume to be the maximization of profit without breaking the law.

Upload in Video Mp3 format, or upload a Link to a Video stored online. Your Video presentation should be not more than 10 minutes in length and should be of good quality image and sounds. Sub-titles are strongly recommended. Include your name and student number, course name and number, section number, the question and the date. Name your file: *Unit16 AS1 LastName FirstName*. Use PinYin.

AS Rubric: Uploaded