



Course Specifications

Course Title:	Production and Operations Management
Course Code:	16011622
Program:	Bachelor in Business Administration
Department:	Business Administration (BA)
College:	College of Business Administration (CBA)
Institution:	AlBaha University (BU)

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A. Course Identification

1. Credit hours: 3
2. Course type
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: 6th Level/ 3th year
4. Pre-requisites for this course (if any): None
5. Co-requisites for this course (if any) None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	43	95 %
2	Blended	-	-
3	E-learning	2	5 %
4	Correspondence		
5	Other		

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	45
2	Laboratory/Studio	-
3	Tutorial	-
4	Others (specify)	-
	Total	45
Other Learning Hours*		
1	Study	45
2	Assignments	30
3	Library	30
4	Projects/Research Essays/Theses	-
5	Others(specify)	-
	Total	105

*The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

<p>1. Course Description The course discusses production & operation management in theory and practice and benefits of strategies in the present time, especially in light of the complex and rapidly changing business environment, as well as production & operation management process-formulation, implementation, and evaluation.</p>
<p>2. Course Main Objective This course is a general introduction to Production Operations Management. Students will become familiarized with fundamental concepts, terms, procedures and techniques in the field of production and operations management.</p>

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	State the variables and factors that affect in productivity management and product design & selection of ideal production process.	K.3
1.2	Name current environmental variables and characteristics that influence production operations management and in facilities layout and locations.	K.3
2	Skills:	
2.1	Apply advanced skills, techniques, practices and creativity in production planning and control for contemporary business organizations.	S.1
2.2	Calculate the perfect ways to inventory management & site selection process to minimize environmental impact.	S.1
2.3	Analyze strategic of internal and external factors of the production and operations management that affect organizational competitive position in a rapidly changing environment.	S.2
2.4	Utilize the appropriate information, communication technologies, and numerical techniques in solving production and operation problems for decision-making.	S.4
3	Competence:	
3.1	Demonstrate competence of effective production management and communication skills in teamwork and individual tasks.	C.1

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to Concept of Production Operations Management	6
2	Productivity Management	6
3	Product Design & Process Selection	3
4	Facility Layout and location	3
5	Production Planning and Control	6
6	Just-in-Time and Lean Systems	6
7	Equipment selection & Maintenance	3
8	Inventory management & Site Selection	6
9	Interior Design (Layout)	6
Total		45

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
K	Knowledge		
1.1	State the variables and factors that affect in productivity management and product design & selection of ideal production process.	<ul style="list-style-type: none"> Lectures Self-learning 	<ul style="list-style-type: none"> Quizzes Exercise Exams
1.2	Name current environmental variables and characteristics that influence production operations management and in facilities layout and locations.	<ul style="list-style-type: none"> Lectures Discussions Illustrative Examples 	<ul style="list-style-type: none"> Quizzes Assignment Exams
S	Skills		
2.1	Apply advanced skills, techniques, practices and creativity in production planning and control for contemporary business organizations.	<ul style="list-style-type: none"> Lectures Brainstorming Illustrative examples 	<ul style="list-style-type: none"> Quizzes Direct questions. Exams
2.2	Calculate the perfect ways to inventory management & site selection process to minimize environmental impact.	<ul style="list-style-type: none"> Lectures Brainstorming Illustrative examples 	<ul style="list-style-type: none"> Direct Questions Exams Assignments
2.3	Analyze strategic of internal and external factors of the production and operations management that affect organizational competitive position in a rapidly changing environment.	<ul style="list-style-type: none"> Lectures Discussions Case presentations 	<ul style="list-style-type: none"> Assignments Direct Questions Exams
2.4	Utilize the appropriate information, communication technologies, and numerical techniques in solving production and operation problems for decision-making.	<ul style="list-style-type: none"> Lectures Class discussions Problem solving 	<ul style="list-style-type: none"> Assignments Exams
C	Competence		
3.1	Demonstrate competence of effective production management and communication skills in teamwork and individual tasks.	<ul style="list-style-type: none"> Active Learning Group discussion 	<ul style="list-style-type: none"> Assignments Presentations

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Quiz 1	4-5	5%
2	Midterm Examination	7-8	30%
3	Quiz 2	10-14	5%
4	Homework (Presentation + Assignments)	3-15	10%
5	Final Examination	17	50%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

Instructor will be available for student consultation and academic advice throughout the week in their specified office hours. Additional assistance by appointment only.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	Production and Operation Management, R. pannerselvam, PHI,(2012)3rd ed.
Essential References Materials	<p>Production Management, Martand Telsang, S.Chand</p> <p>Operation Management , Dan Reid and Nada Sanders, Wiley, 5th ed</p> <p>http://www.poms.org/journal/ https://www.journals.elsevier.com/journal-of-operations-management/ International Journal of Operations & Production Management https://www.omicsonline.org/scholarly/production-and-operations-management-journals-articles-ppts-list.php (articles with high impact factor)</p>
Electronic Materials	<p>http://www.business-and-management.org/ http://highered.mcgraw-hill.com/sites/0072920378/studentview0/index.html</p>
Other Learning Materials	Internet Explorer, version 10 or above, and Windows Media Player, version 10 or above. The use of an updated version of Internet Explorer is strongly recommended in order to view Windows Media Player.

2. Facilities Required

Item	Resources
<p style="text-align: center;">Accommodation</p> <p style="text-align: center;">(Classrooms, laboratories, demonstration rooms/labs, etc.)</p>	<ul style="list-style-type: none"> • Classroom can accommodate approximately thirty-five (35) student Classrooms that accommodates 25 – 40 students • Computer labs for demonstrations
<p style="text-align: center;">Technology Resources</p> <p style="text-align: center;">(AV, data show, Smart Board, software, etc.)</p>	<ul style="list-style-type: none"> • Smart boards & projectors for presentations in classrooms • Internet access, Microsoft Office packages, and statistical software in computer labs • course communication and possible additional readings and links will be provided in Black-Board throughout the course.
<p style="text-align: center;">Other Resources</p> <p style="text-align: center;">(Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)</p>	<ul style="list-style-type: none"> • Printers, scanners, etc. in computer labs • Tables and chairs in computer labs

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of Teaching	▪ Students	Electronic questionnaire/ Survey (https://jodah.org/) that evaluates the quality of course (Indirect method)
	▪ Faculty	Quiz, Exam, Discussion, presentation, assignment/ Homework. (Direct)
	▪ Independent reviewers, ▪ Employers, ▪ Placement cell, ▪ Alumni Cell	Focus Group Discussions, Group Work , Job Placement Data, Graduates Interviews, Alumni Surveys, and Employer Surveys
Effectiveness of Assessment	▪ Faculty ▪ Curriculum & Assessment Committee ▪ Accreditation Committee	Teacher Feedback Student Feedback Course Reports Annual Program Report (APR) Curriculum and Assessment Matrix
Achievement of Course Learning Outcomes (CLO)	▪ Faculty ▪ Quality Assurance Unit	Use of Curriculum and Assessment Matrix to assess all Course learning outcomes in excel. In Course Report, summary analysis of assessment results for each LO.
Quality of Learning Resources	Students Faculty Program leaders	Electronic questionnaire/ Survey (https://jodah.org/) that evaluates the quality of Learning resources (Indirect method)

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	
Reference No.	
Date	01/05/2020