AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Quantitative Production Control							
Course Code		İŞLE633		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	5	Workload	127 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		Ders, öğrencilerin kantitatif üretim kontrolü konularındaki bilgilerinin arttırılması ve günümüzdeki uygulamaları konularını içermektedir.							
Course Content		Course, the students and present their applications to increase the knowledge of quantitative issues include production control.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)		Assoc. Prof. Gülşah SEZEN AKAR							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	KOBU, Bülent, Üretim Yönetimi, Beta Yayınları.

Week	Weekly Detailed Course Contents	
1	Theoretical	Production scheduling
2	Theoretical	Transportation problems
3	Theoretical	Production types: flow-type production
4	Theoretical	Batch type production
5	Theoretical	Material requirements planning
6	Theoretical	Enterprise resource planning
7	Intermediate Exam	Midterm Exams
8	Intermediate Exam	Midterm Exams
9	Theoretical	Full-time production
10	Theoretical	Linear programming
11	Theoretical	Graphical solution of linear programming
12	Theoretical	Duality and sensitivity analysis
13	Theoretical	Goal programming
14	Theoretical	Network analysis
15	Theoretical	Inventory models

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Midterm Examination	1	25	1	26
Final Examination	1	30	1	31
			Total Workload (Hours)	127
			[Total Workload (Hours) / 25*] = **ECTS**	5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Quantitative production control to dominate information
2	Apply this information effectively
3	Computer applications can
4	To ensure knowledge of the increase in production efficiency.

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Programme Outcomes *(Business Administration Doctorate)*

1	To be able do and report scientific research and acquire skills for doing independent work
2	Have ethical sensitivity in plannning and carrying out a scientific work
3	Be able to use the qualitative and quantitative reseach techniques appropriately in scientific work
4	Acquire team working skills to carry out disciplinary and interdisciplinary work
5	Develop competencies for preparing projects for business
6	Acquire skills for intiative, creativity and acting independent
7	Be able to adjust to new circumstances and gain problem solving skills
8	Be able to convey thoughts and suggestions supported by the qualitative and quantitative data effectively to the experts and non-experts of the area using written, verbal and non-verbal communication skills
9	Gain the necessary experience and capabilities for a productive and competent career in teaching and research
10	Be able to select and use the appropriate mathematical and statiscal methods in scientific work.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	3	3	3	3	2
P2	3	2	3	3	2
P3	3	4	3	3	2
P4	2	3	4	3	3
P5	2	3	4	2	3
P6	4	3	2	2	3
P7	4	4	2	2	3
P8	3	4	3	3	4
P9	3	3	3	3	3
P10	3	3	3	3	3