DEPARTMENT OF COMPUTER SCIENCE
COURSE SYLLABUS

Course Details						
Code			**Academic Year**		**Semester**	
MEC499			4		7	
Title			**T**	**A**	**L**	**ECTS**
Introduction to Computer Science and Programming						6

Language	German				
Level	**Undergraduate**	X	**Graduate**		**Postgraduate**
Department / Program	Mechatronics				
Forms of Teaching and Learning	Formal				
Course Type	**Compulsory**	X	**Elective**		
Objectives	The internship includes applied activities in areas such as e.g. Mechatronic systems, control engineering, robotics and topics in mechanical engineering, Electrical engineering or computer science branches involved in mechatronics in private institutions and public bodies.				
Content	The interns complete the specialist internship in at least one area, at most in two different areas from the following work areas. If the internship is completed in two different areas, each section should consist of at least 30 include working days. Working areas for the internship: 1. Product development/research 2. Materials and manufacturing process development 3. Automation 4. Manufacturing / Planning 5. Assembly 6. Maintenance and repairs 7. Project planning 8. Design and Analysis 9. Test and Verification 10. Quality Control and Quality Management				
Prerequisites	Engineering from the 7th semester				
Coordinator	As part of the practical training, the Turkish-German University supports internships, their content, duration and results at the beginning of the internship as part of a project have been determined and supports internships that serve as the basis for the theses of the students can serve, as far as the fields of activity of the companies and the Internship topics make it possible. If the student's internship company in Istanbul is, the advisor of the intern at the TDU will plan and execute the Check internships in cooperation with the company. The review of internships that to be carried out at the company in Istanbul is carried out by the consultant and the communicate with each other via teleconference, phone call or email.				
Lecturer(s)	Dr.-Ing. Ali Can KAYA				
Assistant(s)	Mustafa Hakan SANDIK, M.Sc.,				

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Work Placement	The duration of the internship is at least 60 working days (12 weeks).

Recommended or Required Reading

Books / Lecture Notes	None
Other Sources	Internship regulations

Additional Course Material

Documents	- Internship Regulations
Assignments	internship booklet
Exams	internship presentation

Course Composition

Mathematics und Basic Sciences	5	%
Engineering	70	%
Engineering Design	10	%
Social Sciences	0	%
Educational Sciences	0	%
Natural Sciences	5	%
Health Sciences	0	%
Expert Knowledge	10	%

Assessment

Activity	Count	Percentage (%)
Midterm Exam	0	0
Quiz	0	0
Assignments	1	20
Attendance	30	70
Recitations	0	0
Projects	0	0
Final Exam	1	10
	Total	100

ECTS Points and Work Load

Activity	Count	Duration	Work Load (Hours)
Lectures	0	0	
Self-Study	0	0	
Assignments	1	15	15
Presentation / Seminar Preparation	1	0	
Midterm Exam	0	0	

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Recitations	0	0	
Laboratory	60	8	480
Projects	0	0	
Final Exam	1	5	5
		Total Work Load	500
		ECTS Points (Total Work Load / 28)	6

Learning Outcomes

1	Learning about the processes in a company
2	Practical exercise of certain processes
3	Application of what was learned during the course
4	Effective communication with other employees and departments within the organization

Weekly Content

1	Internship in the company
2	Internship in the company
3	Internship in the company
4	Internship in the company
5	Internship in the company
6	Internship in the company
7	Internship in the company
8	Internship in the company
9	Internship in the company
10	Internship in the company
11	Internship in the company
12	Internship in the company
13	
14	
15	

Contribution of Learning Outcomes to Program Objectives (1-5)

	P1	P2	P3	P4	P5	P6	P7
1	5	3	5	3	5	3	1
2	3	2	3	2	3	2	4
3	3	3	3	3	3	3	3
4	5	3	5	3	5	3	2
5	3	2	3	2	3	5	3

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6	5	3	3	3	5	3	2
7	3	2	5	3	3	3	3
8	5	3	3	2	3	3	2
9	3	2	3	3	4	2	1
10	3	5	3	2	1	3	4
11	4	3	2	3	4	4	3
12	2	3	3	3	2	2	1

Contribution Level	1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High
https://obs.tau.edu.tr/oibs/bologna/progLearnOutcomes.aspx?lang=en&curSunit=196	
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