



EASTERN MEDITERRANEAN UNIVERSITY
University Curriculum Committee

New Program Proposal Form II – Final Approval

Part I. Program Details

Program Title	Industrial Design		
Hosting Faculty	Architecture	Hosting Department	

Level	<input type="checkbox"/> 2-Year Associate	<input type="checkbox"/> 3-Year Assoc.	<input checked="" type="checkbox"/> Bachelor	<input type="checkbox"/> Master (No Thesis)	<input type="checkbox"/> Master (Thesis)	<input type="checkbox"/> PhD
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Degree Offered (BA, MS, PhD etc.)	BID	Education Mode	<input checked="" type="checkbox"/> On-Campus	<input type="checkbox"/> Distance	Teaching Language	<input checked="" type="checkbox"/> English	<input type="checkbox"/> Turkish
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Academic year of first student enrolment	2005-2006	Optimum number of the first year student enrolment	30	Optimum total number of students after the year of first graduation	200
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Is it a double major program?	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	Other hosting academic unit(s) (If YES)	
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Part II. Overall Statement of Justification (Summary)

State the purpose of opening the program in Eastern Mediterranean University from an academic perspective. This part should be a concise summary of the information supplied in the remaining parts of this form and information supplied in the New Program Proposal - I. (Fill in this part LAST)

Considering the strengths with regard to the academic staff of the Faculty of Architecture, the infrastructure of the Faculty and the University; the opportunity with regard to the increasing demand for Industrial Designers in the field of design, it can safely be claimed that the Faculty of Architecture is ready by all means to provide quality education in the field of 'Industrial Design' beside architecture and interior architecture. Considering the rapidly changing internal and external circumstances as well as the highly competitive environment of design education, diversification of education provided would forward the Faculty to a much more esteemed level.

Part III. Program Features

Program Goals
State the overall purpose and the major goals of the program by providing a clear expose of the program's teaching intentions, i.e., writing a brief statement of what the program intends to deliver, how the program will ensure educational effectiveness, identifying the core concepts and any rationale.

The proposal of the under-graduate program of the Department of Industrial Design has been prepared regarding the existing potential of the Faculty and the University in terms of academic staff and the infrastructure. Therefore, for a long term the establishment of this new department would not create any burden on the University. On the contrary, it would provide the opportunity of taking share from the world-wide increasing demand in this discipline.

- The first year of the curriculum will be same as the first year of architecture and interior architecture. Such an approach enables the efficient allocation of time and human resources; the strengthening of the inter-departmental cooperation and collaboration and facilitates the transfer of students if they want to.
- The program allows student to develop their knowledge and skills in various basic subjects related to Industrial Design as well as their own areas of interests due to broad number of elective courses provided. Students are supposed to take 3 elective courses from any department in the university, 2 elective courses from other Departments in the Faculty of Architecture and 4 electives from their own Department.

Program Outcomes
List statements that describe what the students will gain or be able to do after completing the program. The outcomes should reflect what the students will have gained from their participation in the coursework and other experiences which the program provides.

The graduates of the Department will have knowledge about many different subjects related to product design. The wide number of elective courses will allow them to foster their knowledge and abilities in their own fields of interest as well. On the other hand, various projects in design studios will prepare them to deal with a wide range of problems related to product design. These will allow the graduates of the department to work in different areas related to design in different scales.

Multi-dimensional program of the department which proposes that all students take some courses from other departments in the university prepares them for collaborating with other professions in their future careers.

Two summer training courses in the program will prepare students to experience working in the factory as well as in the design office before they get graduated.

Unique Features or Strengths of the Program*Identify the unique features or strengths of the program which will make it superior to similar programs in other institutions.*

- The common first foundation year in Faculty of Architecture allows all students to choose the area of design they wish to work after the first year when they have a broader knowledge of all related design fields.
- A two-stepped "conditional advancement" system is introduced / applied in the new curriculum:
 CONDITIONAL ADVANCEMENT 1: to be able to start 5th semester (to be able to register any courses from the 5th semester, all 1st and 2nd semester courses should successfully be completed)
 CONDITIONAL ADVANCEMENT 2: to be able to register IDES 402 Graduation Project in the last semester, 6th and all other previous semester courses should be successfully completed

Specializations, Concentrations, Streams or Options within the program*Specify any specializations, concentrations, streams or options within the program.***Statement of Originality (Duplication Check)***State clearly that the proposed program is not a major duplication of, or will not produce any substantial overlap with, any existing program(s) at the University. Include a brief discussion of differences of the proposed program from similar programs with minor overlap.*

There is no similar program in the Eastern Mediterranean University.

Admission Requirements*Specify the program admission requirements.*

ÖSS Requirements (Valid for students admitted by ÖSYM system and subject to modifications by ÖSYM)	ÖSS, General: <input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Quantitative <input type="checkbox"/> Equally weighted <input type="checkbox"/> Minimum composite score ÖSS, Language: <input type="checkbox"/> YDS, Foreign language exam in: <input checked="" type="checkbox"/> English <input type="checkbox"/> Other: <input type="text"/> ÖSS, Special: <input type="checkbox"/> Special Skills Examination in: <input type="text"/> <input type="checkbox"/> Special Status <input type="checkbox"/> YÖS ÖSS, Graduate: <input type="checkbox"/> ÜDS <input type="checkbox"/> YÖS <i>Other remarks and explanations:</i>
EMU Entrance Examination Requirements (Valid for mainly TRNC citizens and subject to modifications by EMU)	General: <input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Quantitative <input type="checkbox"/> Equally weighted <input type="checkbox"/> Minimum composite score Language: <input type="checkbox"/> Foreign language exam in: <input checked="" type="checkbox"/> English <input type="checkbox"/> Other: <input type="text"/> Special: <input type="checkbox"/> Special Skills Examination in <input type="text"/> <input type="checkbox"/> IGCSE System <i>Other remarks and explanations:</i>
International Students (Department specific requirements if any)	
Admission Requirements of Vocational High School Graduates to 2-Year Programs	List of vocational high school programs whose graduates are eligible for open admission: (Only for TRNC Students) 1. 2. 3. 4. 5.
Admission by Transfer Requirements. (Specify the type of programs whose students are eligible for transfer application and credit transfer criteria)	All Departments of Industrial Design All other programs related to Design fields.
Other Remarks	

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Graduation Requirements

State the graduation requirements specific to the proposed program. Exclude university-wide applications like CGPA requirements

The students should take and pass all 152 credit courses in the curriculum. Besides they should fulfill successfully the requirements for 2 proposed summer practices and 6 SPIKES.

Compliance with the Requirements of Accreditation Agencies

Justify the compliance of the proposed program with accreditation agencies like YÖK and ABET.

Distribution of the courses- basic; supportive; general education; history and elective- throughout the proposed program has been done parallel to the suggestion of NASAD, the institution that gives accreditation to similar programs in the USA. Such an approach would enable the program to take accreditation in the future.

Part IV. Curriculum

Full Curriculum

Complete the table by listing the sequence of courses, by semester that students in the program will take.

Use the following abbreviations to fill in the course category: UC = University Core; FC = Faculty Core; AC = Area Core; AE = Area Elective;

GE = GE Elective

Semester	Ref Code	Course Code	Full Course Title	Course Category	Credit				Prerequisites	Co-requisites
					Lec	Lab	Tut	Tot		
1		FARC 101	Basic Design Studio	FC	4	0	4	6		
1		FARC 103	Graphic Communication - I	FC	2	0	2	3		
1		FARC 111	Introduction to Art & Design	UC- AH	3	0	0	3		
1		XXXXXXX*	Communication in English - I	UC	3	0	1	3		
1		GEED111	Critical Thinking Skills - I	UC	3	0	0	3		
1		XXXXXXX*	Computer Literacy	UC	2	0	2	3		
1		HIST 200/ HIST299	History of Turkish Reforms	UC	2	0	0	2		
1		GEED 101	SPIKE - I	UC	0	0	0	0		
2		FARC 102	Introductory Design Studio	FC	4	0	4	6	FARC 101	
2		FARC 104	Graphic Communication - II	FC	2	0	2	3		
2		MATH 191	Mathematics & Geometry for Designers	UC-M	3	0	0	3		
2		XXXXXXX*	Communication in English - II	UC	3	0	1	3	EFL 191	
2		GEED112	Critical Thinking Skills - II	UC	3	0	0	3		
2		TURK 100/ TURK199	Communication in Turkish	UC	3	0	0	3		
2		GEED 102	SPIKE - II	UC	0	0	0	0		
3		IDES 201	Industrial Design Studio - I	AC	4	0	4	6	FARC 102	
3		IDES 203	Graphic Communication for Industrial Designers	AC	2	0	2	3		
3		IDES 221	History of Technology	UC-AH	3	0	0	3		
3		IDES 211	Human Factors in Design	AC	3	0	0	3		
3		PHYS253	Introductory Physics	UC-PN	3	0	0	3		
3		GEED 201	SPIKE - III	UC	0	0	0	0		
4		IDES 202	Industrial Design Studio - II	AC	4	0	4	6	IDES 201	
4		IDES 222	History of Industrial Design	AC	3	0	0	3		
4		IDES 282	CAD for Industrial Designers	AC	2	0	2	3		
4		IDES 232	Design & Structure	AC	3	0	0	3		
4		IDES 242	Materials	AC	3	0	0	3		
4		GEED 202	Spike - IV	UC	0	0	0	0		
4		IDES 200	Summer Practice - I	AC	0	0	0	0		
5		IDES 301	Industrial Design Studio - III	AC	4	0	4	6	IDES 202	
5		ECON341	Introduction to Economics	UC-SB	3	0	0	3		
5		MENG365	Manufacturing Techniques	AC	2	2	0	3		
5			University Elective –Physical /Natural Sciences	UE-PN	3	0	0	3		
5			Elective	AE	3	0	0	3		
5		GEED 301	Spike -V	UC	0	0	0	0		

6		IDES 302	Industrial Design Studio - IV	AC	4	0	4	6	IDES 301	
6		MRKT201	Introduction to Marketing	UC-SB	3	0	0	3		
6		IDES 312	Meaning in Design	AC	3	0	0	3		
6			University Elective – Arts & Humanities	UE	3	0	0	3		
6			Elective	AE	3	0	0	3		
6		GEED 302	Spike -VI	UC	0	0	0	0		
6		IDES 300	Summer Practice - II	AC	0	0	0	0		
7		IDES 401	Industrial Design Studio -IV	AC	4	0	4	6	IDES 302	
7		IDES 481	Professional Practice	AC	3	0	0	3		
7		IDES 403	Research Methods	AC	3	0	0	3	IDES302	
7		IDES 451	Design Management	AC	3	0	0	3		
7			Elective	AE	3	0	0	3		
7			Elective	AE	3	0	0	3		
8		IDES402	Industrial Design Studio-VI-Graduation Project	AC	4		4	6	IDES 401	
8			University Elective	UE	3		0	3	IDES403	
8			Elective	AE	3		0	3		
8			Elective	AE	3		0	3		
* to be decided by the University's authorities										

Area Elective Courses and Streams							
<i>List the area elective courses intended to be offered and the streams (concentrations, tracks or options) in the program.</i>							
	Course Code	Course Title	Credit				Stream Title (Leave blank if no stream is intended)
			Lec	Lab	Tut	Tot	
1.		3D Digital Modeling	2	0	2	3	
2.		Furniture Design	2	0	2	3	
3.		Textile Design	2	0	2	3	
4.		Industrial Ceramics Techniques	2	0	2	3	
5.		Jewelry Design	2	0	2	3	
6.		New Product Development	3	0	0	3	
7.		Model Making Techniques	2	0	2	3	
8.		Presentation Techniques for Designers	2	0	2	2	
9.		Household Utensils Design	2	0	2	2	
10.		Design for Disabled	3	0	0	3	
11.		Transportation Vehicles Design	2	0	2	3	
12.		Theories of Design in 20 th Century	3	0	0	3	

Existing Courses			
<i>List the courses which are already being offered in the University.</i>			
	Courses	Total Number	Total Credits
University Core Courses	English - I History of Turkish Reforms English - II Introductory Physics Introduction to Economics Introduction to Marketing Communication in Turkish Computer Literacy	8	23
Faculty Core Courses	Basic Design Studio Graphic Communication - I Graphic Communication - II	3	12
Area Core Courses		0	0
Area Elective Courses	3D Digital Modeling Furniture Design Model Making Techniques	3	9
<i>Total:</i>		14	44

Note: Some of these courses now have different course codes and different course contents

New Courses			
<i>List the courses which are going to be offered for the first time in the University after initiation of this program.</i>			
	Courses	Total Number	Total Credits
University Core Courses	Introduction to Art & Design Critical Thinking Skills - I Mathematics & Geometry for Designers Critical Thinking Skills - II History of Technology	5	15
Faculty Core Courses	Introductory Design Studio	1	6

Area Core Courses	Industrial Design Studio - I Graphic Communication for Industrial Designers Industrial Design Studio - II CAD for Industrial Designers Materials Industrial Design Studio - III History of Industrial Design Manufacturing Techniques Industrial Design Studio - IV Meaning in Design Industrial Design Studio -V Professional Practice Research Methods Design Management Industrial Design Studio - VI Human Factors in Design Design & Structures	17	69
Area Elective Courses	Textile Design Jewelry Design Industrial Ceramics Techniques Presentation Techniques for Designers Household Utensils Design Theories of Design in 20 th Century Transportation Vehicles Design Design for Disabled New Product Development	9	27
Total:		32	117

Are there similar courses with overlapping content already being offered at EMU?		<input checked="" type="checkbox"/> NO	YES. If yes, then justify below:
	Code	Similar / Overlapping Course(s)	Justification
1.			
2.			
3.			

Statistics
Supply the following information: Total numbers and percentages of the courses and their credits in different categories. Also indicate the distribution of courses and their credits among semesters in the curriculum

Courses:	Total		Percentage of total	
	Number	Credits	Number	Credits
All Courses*	39	141	100	100
University core courses	9	27	23	19
Faculty core courses	4	18	10	13
Area core courses	17	69	44	49
Area electives	6	18	15	13
UE electives	3	9	8	6
Courses offered by the hosting department	28	108	72	76
Courses offered by other departments	11	33	28	23

* excluding Turkish, History, Critical Thinking Skills, Spikes and Summer Practices

Semesters	Semesters								Average
	1	2	3	4	5	6	7	8	
Number of courses per semester*	5	6	5	5	5	5	6	4	5.13
Number of credits per semester	18	21	18	18	18	18	21	15	18.38

Excluding spikes, Turkish, History and Summer Practices

Part V. Catalog Information

Supply the information for the proposed curriculum in sections "Program Description" and "Course Descriptions" which will be printed in the next printed or on-line catalog of the University.

<p>Program Description Describe the program from several points of view like the mission, goals, objectives, focus and strengths of the program, opportunities for the graduates from an academic perspective. A brief historical perspective may be appropriate. Concise description of sub disciplines or areas of focus may be added. Also summarize lab / studio / workshop information as well as any summer practice or internship if any.</p> <p>Aim: Industrial Design is a rapidly developing profession. Today the role of skillful Industrial designers in development of different fields of industry is undeniable. The aim of the program in Department of Industrial Design is to provide different sectors of industry with creative, multi-dimensional, entrepreneur, and leader industrial designers who have a strong technological background, high managerial skills, knowledge of manufacturing and marketing techniques, and sensitive to environmental issues.</p> <p>The program philosophy is to engage students in meaningful problem solving where the challenge of solving problems related to design of mass produced objects is matched to the students' knowledge and skills to obtain a state of optimal simulation and challenge. That's why "learning by doing" phrase can summarize our pedagogical approach to Industrial Design education.</p> <p>To be able to keep pace with the rapidly changing world and to let the future designers to think, learn and intervene creatively with contemporary</p>

	<p><i>Credits: (3/0/0)3 Prerequisites: None Co-requisites: None</i></p> <p><i>Abbreviated Title: Hist. of Industrial Design Category: Area Core Course Teaching Language: English</i></p> <p><i>Keywords:</i></p>
12.	<p>IDES282 CAD for Industrial Designers</p> <p>2 and 3 dimensional CAD programs to be used in educational and professional areas, 3D digital modeling programs, using computer in design process in relation to design studio.</p> <p><i>Credits: (2/0/2)3 Prerequisites: None Co-requisites: None</i></p> <p><i>Abbreviated Title: CAD for Industrial Designers Category: Area Core Course Teaching Language: English</i></p> <p><i>Keywords:</i></p>
13.	<p>IDES232 Design and Structure</p> <p>Principles of working in structural systems, types of loads, physical and mechanical properties of various materials, stress and deformation, tension, compression, bending, torsion, and the effect of geometry on structural system.</p> <p><i>Credits: (3/0/0)3 Prerequisites: None Co-requisites: None</i></p> <p><i>Abbreviated Title: Design and Structure Category: Area Core Course Teaching Language: English</i></p> <p><i>Keywords: structural response, flexibility, rigidity</i></p>
14	<p>IDES242 Materials</p> <p>Development of sensitivity towards choosing the right materials in design process, properties of materials used in mass production such as plastics, glass, metals, and wood.</p> <p><i>Credits: (3/0/0)3 Prerequisites: None Co-requisites: None</i></p> <p><i>Abbreviated Title: Materials Category: Area Core Course Teaching Language: English</i></p> <p><i>Keywords:</i></p>
15.	<p>IDES 200 Summer Practice -I</p> <p>Four weeks of work in a production establishment, observation and report on production processes.</p> <p><i>Credits: NC Prerequisites: None Co-requisites: None</i></p> <p><i>Abbreviated Title: Summer Practice I Category: Area Core Course Teaching Language:</i></p> <p><i>Keywords:</i></p>
16.	<p>IDES301 Industrial Design Studio - III</p> <p>Design problems aiming at development of a systematic approach to design of complicated objects, usage of new technologies, detail solutions, development of personal style in design and presentation.</p> <p><i>Credits: (4/0/4)6 Prerequisites: IDES 202 Co-requisites: None</i></p> <p><i>Abbreviated Title: Industrial Design St. III Category: Area Core Course Teaching Language: English</i></p> <p><i>Keywords:</i></p>
17.	<p>IDES302 Industrial Design Studio - IV</p> <p>Design problems related to living spaces, function, space, human being and furniture relationships, provision of detailed product design as a part of a whole.</p> <p><i>Credits: (4/0/4)6 Prerequisites: IDES 301 Co-requisites: None</i></p> <p><i>Abbreviated Title: Industrial Design St. IV Category: Area Core Course Teaching Language: English</i></p> <p><i>Keywords:</i></p>
18.	<p>IDES312 Meaning in Design</p> <p>Meaning of products in design, semiotics as a method to read and understand the meanings of the objects, investigation and sampling of communication, meaning and identity problems created while choosing and using new products, leading towards innovative approaches by transmission of theoretical knowledge.</p> <p><i>Credits: (3/0/0)3 Prerequisites: None Co-requisites: None</i></p> <p><i>Abbreviated Title: Meaning in Design Category: Area Core Course Teaching Language: English</i></p> <p><i>Keywords:</i></p>
19.	<p>IDES 300 Summer Practice - II</p> <p>Four weeks of work in a design office, observation and participation in design activities.</p> <p><i>Credits: NC Prerequisites: None Co-requisites: None</i></p>

	<i>Abbreviated Title: Summer Practice II</i>	<i>Category: Area Core Course</i>	<i>Teaching Language:</i>
	<i>Keywords:</i>		
20.	IDES401 Industrial Design Studio - V		
	Answering to special needs which require research and creative solutions (products for physically disabled, transportation vehicles, etc.) or design of product series to reflect a cultural or organizational value, design works with both functional and aesthetic qualities, including detailed solutions and professional presentation.		
	<i>Credits: (4/0/4)6</i>	<i>Prerequisites: IDES302</i>	<i>Co-requisites: None</i>
	<i>Abbreviated Title: Industrial Design St. V</i>	<i>Category: Area Core Course</i>	<i>Teaching Language: English</i>
	<i>Keywords:</i>		
21.	IDES481 Professional Practice		
	Problems which designers may face in professional life, design and preparation of portfolio, methods developed by professional organizations to provide a fair competition, professional ethics, relations with clients, legal, financial and formal problems and office management.		
	<i>Credits: (3/0/0)3</i>	<i>Prerequisites: None</i>	<i>Co-requisites: None</i>
	<i>Abbreviated Title: Professional Practice</i>	<i>Category: Area Core Course</i>	<i>Teaching Language: English</i>
	<i>Keywords:</i>		
22.	IDES403 Research Methods		
	Systematic research methods, research process in product design, preparation of a written research about Graduation Project. .		
	<i>Credits: (3/0/0)3</i>	<i>Prerequisites: IDES302</i>	<i>Co-requisites: None</i>
	<i>Abbreviated Title: Research Methods</i>	<i>Category: Area Core Course</i>	<i>Teaching Language: English</i>
	<i>Keywords:</i>		
23.	IDES451 Design Management		
	Development of design management, design as a tool in professional competition, design and innovation, new product development, design and organizational image management, human resources in design, management of design projects.		
	<i>Credits: (3/0/0)3</i>	<i>Prerequisites: None</i>	<i>Co-requisites: None</i>
	<i>Abbreviated Title: Design Management</i>	<i>Category: Area Core Course</i>	<i>Teaching Language: English</i>
	<i>Keywords:</i>		
24.	IDES402 Industrial Design Studio - VI- Graduation Project		
	Total design of a product or a series of products, development of all the steps needed for production such as: details, working drawings, etc.		
	<i>Credits: (4/0/4)6</i>	<i>Prerequisites: IDES401, IDES403</i>	<i>Co-requisites: None</i>
	<i>Abbreviated Title: Industrial Design St. VI</i>	<i>Category: Area Core Course</i>	<i>Teaching Language: English</i>
	<i>Keywords:</i>		

Course Descriptions – II - English : All compulsory courses offered by other academic units- To be finalized upon final information from GE Department			
1.	XXXXXXX Communication in English - I		
	EFL 191 is a first semester Basic Academic English course for students at the Faculty of Architecture and Arts and Sciences. The purpose of this course is to develop students' writing, reading, speaking and listening skills in academic settings, and to improve their study skills in general.		
	<i>Credits: (3 / 0 / 1) 3</i>	<i>Prerequisites: None</i>	<i>Co-requisites: None</i>
	<i>Abbreviated Title: English I</i>	<i>Category: University Core Course</i>	<i>Teaching Language: English</i>
	<i>Keywords:</i>		
	<i>Department offering the course: School of Foreign Languages</i>		
2.	GEED111 Critical Thinking Skills - I		
	This course, the first of a two-semester sequence, introduces students to a variety of disciplines in the arts and sciences through critical discussions of some of the major ideas, concepts and belief systems that are shaping the modern world. The first semester focuses primarily on scientific and technological aspects of modern life, and ends with a discussion of some of the social and psychological coping mechanisms that have evolved to deal with them. Lectures and discussion will be accompanied by textual and audiovisual material. Students will be evaluated on the basis of short, knowledge-based exams, and possibly short essays/a portfolio, discussing one or two of these areas in relation to a particular case study. Topics to be covered include: biology, physics, chemistry, ecology, architecture and urban issues, psychology, sociology, and comparative religion.		

	<p><i>Credits: (3 / 0 / 0) 3 Prerequisites: None Co-requisites: None</i> <i>Abbreviated Title: Critical thinking skills I Category: University Core Course Teaching Language: English</i> <i>Keywords:</i> <i>Department offering the course: Department of General Education</i></p>
3.	<p>GEED 101 SPIKE- I</p> <p>This course is designed to expose students to practical applications of knowledge in their own and related fields, increase their knowledge of other disciplines, and create opportunities for them to experience a diverse range of social and cultural activities in the world outside university. The focus is on developing learning outside the classroom through encouraging student participation in guest lectures, conferences, and cultural events such as musical and theatrical performances, art exhibitions, literary readings, etc., both on campus and off campus. By providing students with exposure to professional, industrial, and socio-cultural realities, this course takes a first step towards preparing students for the changing world that will face them after graduation. And through this exposure, they aspire to give students a sense of respect for and pride in their own chosen profession, coupled with a feeling of responsibility to helping the community and working for the good of society. Assessment will be based on the student's completion during the semester of a SPIKE Card, under the Honor Code, certifying participation in four socio-cultural, professional, or industry-related events sponsored by his or her own Faculty or School, and four events sponsored by other Faculties or Schools or organizations in the community.</p> <p><i>Credits: (0 / 0 / 0) 0 Prerequisites: None Co-requisites: None</i> <i>Abbreviated Title: Spike I Category: University Core Course Teaching Language: English</i> <i>Keywords:</i> <i>Department offering the course: Department of General Education</i></p>
4.	<p>TURK 100/199 Communication in Turkish</p> <p>TURK 100/199 is a Basic Turkish course introducing the Turkish language. It incorporates all four language skills and provides an introduction to basic grammar structures. Students will be encouraged to develop their writing skills through a variety of tasks. The aim of this course is for students to be able to understand and communicate in everyday situations, both in the classroom and in a Turkish-speaking environment.</p> <p><i>Credits: (2 / 0 / 0) 2 Prerequisites: None Co-requisites: None</i> <i>Abbreviated Title: communication .in Turkish Category: University Core Course Teaching Language: English</i> <i>Keywords:</i> <i>Department offering the course:</i></p>
5.	<p>HIST 200/299 History of Turkish Reforms</p> <p><i>Credits: (2 / 0 / 0) 2 Prerequisites: None Co-requisites: None</i> <i>Abbreviated Title: Category: University Core Course Teaching Language: English</i> <i>Keywords: History of Turkish reform</i> <i>Department offering the course:</i></p>
6.	<p>MATH191 Math. and Geometry for Designers</p> <p>Description of the relationship of mathematics, and geometry with Architecture, Interior Architecture and Industrial Design fields, exemplifying the similarities of design and mathematical thinking, basic subjects related to mathematics and geometry.</p> <p><i>Credits: (3 / 0 / 0) 3 Prerequisites: None Co-requisites: None</i> <i>Abbreviated Title: Math. & Geometry for Des. Category: University Core Course (M) Teaching Language: English</i> <i>Keywords:</i> <i>Department offering the course: Department of Mathematics</i></p>
7.	<p>XXXXXXX Communication in English - II</p> <p>EFL 192 is a second semester Basic Academic English course for students at the Faculty of Architecture and Arts and Sciences. The purpose of this course is to further develop students' writing, reading, speaking and listening skills in academic settings, and to improve their study skills in general.</p> <p><i>Credits: (3 / 0 / 1) 3 Prerequisites: None Co-requisites: None</i> <i>Abbreviated Title: English I Category: University Core Course Teaching Language: English</i> <i>Keywords:</i> <i>Department offering the course: School of Foreign Languages</i></p>
8.	<p>GEED112 Critical thinking Skills - II</p> <p>The second in a two-semester sequence, this course continues the discussion from <i>Critical Thinking I</i> of critical ideas, concepts and belief systems that are shaping the modern world. This semester focuses primarily on economic, political, legal, social and cultural aspects of contemporary life, and ends with a discussion of the impact of the cultural sphere—art, music, literature, and the media—on the individual and society. Lectures and discussion will be accompanied by textual and audiovisual material. Students will be evaluated on the basis of short, knowledge-based exams, and possibly short essays/a portfolio, discussing one or two of these areas in relation to a particular case study. Topics to be covered include: economics, political science, law, philosophy, history, art and archeology, music, communications,</p>

	<p>literature.</p> <p><i>Credits: (3 / 0 / 0) 3 Prerequisites: None Co-requisites: None</i> <i>Abbreviated Title: Critical Thinking II Category: University Core Course Teaching Language: English</i> <i>Keywords:</i> <i>Department offering the course: Department of General Education</i></p>
9.	<p>GEED 102 SPIKE - II</p> <p>This course is designed to expose students to practical applications of knowledge in their own and related fields, increase their knowledge of other disciplines, and create opportunities for them to experience a diverse range of social and cultural activities in the world outside university. The focus is on developing learning outside the classroom through encouraging student participation in guest lectures, conferences, and cultural events such as musical and theatrical performances, art exhibitions, literary readings, etc., both on campus and off campus. By providing students with exposure to professional, industrial, and socio-cultural realities, this course takes a first step towards preparing students for the changing world that will face them after graduation. And through this exposure, they aspire to give students a sense of respect for and pride in their own chosen profession, coupled with a feeling of responsibility to helping the community and working for the good of society. Assessment will be based on the student's completion during the semester of a SPIKE Card, under the Honor Code, certifying participation in four socio-cultural, professional, or industry-related events sponsored by his or her own Faculty or School, and four events sponsored by other Faculties or Schools or organizations in the community.</p> <p><i>Credits: (0 / 0 / 0) 0 Prerequisites: None Co-requisites: None</i> <i>Abbreviated Title: Spike II Category: University Core Course Teaching Language: English</i> <i>Keywords:</i> <i>Department offering the course: Department of General Education</i></p>
10.	<p>GEED 201 SPIKE - III</p> <p>This course includes the same requirements as GEED 101 and GEED 102, but has an additional component: in addition to participating in four socio-cultural, professional, or industry-related events sponsored by his or her own Faculty or School, and four events sponsored by other Faculties or Schools or organizations in the community, each student will be required to attend two SPIKE Certificate Seminars, which will be offered by the various Research Centers at the university. Certificate Seminars take the form of 4-hour workshops, which will generally be held in the evenings and during weekends. They will include such topics as Leadership, Time Management, First Aid, and Environmental Activism. (One or more of these Certificate Seminars may be designated as compulsory.) In addition to completing their SPIKE requirement for this course, students will be awarded certificates for successful participation in the Certificate Seminars.</p> <p><i>Credits: (0 / 0 / 0) 0 Prerequisites: None Co-requisites: None</i> <i>Abbreviated Title: Spike III Category: University Core Course Teaching Language: English</i> <i>Keywords:</i> <i>Department offering the course: Department of General Education</i></p>
11.	<p>GEED 202 SPIKE - IV</p> <p>This course includes the same requirements as GEED 101 and GEED 102, but has an additional component: in addition to participating in four socio-cultural, professional, or industry-related events sponsored by his or her own Faculty or School, and four events sponsored by other Faculties or Schools or organizations in the community, each student will be required to attend two SPIKE Certificate Seminars, which will be offered by the various Research Centers at the university. Certificate Seminars take the form of 4-hour workshops, which will generally be held in the evenings and during weekends. They will include such topics as Leadership, Time Management, First Aid, and Environmental Activism. (One or more of these Certificate Seminars may be designated as compulsory.) In addition to completing their SPIKE requirement for this course, students will be awarded certificates for successful participation in the Certificate Seminars.</p> <p><i>Credits: (0 / 0 / 0) 0 Prerequisites: None Co-requisites: None</i> <i>Abbreviated Title: Spike IV Category: University Core Course Teaching Language: English</i> <i>Keywords:</i> <i>Department offering the course: Department of General Education</i></p>
12.	<p>GEED 301 SPIKE - V</p> <p>This course includes the same requirements as GEED 101 and GEED 102, but has an additional component: in addition to participating in four socio-cultural, professional, or industry-related events sponsored by his or her own Faculty or School, and four events sponsored by other Faculties or Schools or organizations in the community, each student will be required to attend two SPIKE Certificate Seminars, which will be offered by the various Research Centers at the university. Certificate Seminars take the form of 4-hour workshops, which will generally be held in the evenings and during weekends. They will include such topics as Leadership, Time Management, First Aid, and Environmental Activism. (One or more of these Certificate Seminars may be designated as compulsory.) In addition to completing their SPIKE requirement for this course, students will be awarded certificates for successful participation in the Certificate Seminars.</p> <p><i>Credits: (0 / 0 / 0) 0 Prerequisites: None Co-requisites: None</i> <i>Abbreviated Title: Spike V Category: University Core Course Teaching Language: English</i> <i>Keywords:</i> <i>Department offering the course: Department of General Education</i></p>
13	<p>GEED302 SPIKE - VI</p> <p>This course includes the same requirements as GEED 101 and GEED 102, but has an additional component: in addition to participating in four socio-cultural, professional, or industry-related events sponsored by his or her own Faculty or School, and four events sponsored by</p>

	<p>other Faculties or Schools or organizations in the community, each student will be required to attend two SPIKE Certificate Seminars, which will be offered by the various Research Centers at the university. Certificate Seminars take the form of 4-hour workshops, which will generally be held in the evenings and during weekends. They will include such topics as Leadership, Time Management, First Aid, and Environmental Activism. (One or more of these Certificate Seminars may be designated as compulsory.) In addition to completing their SPIKE requirement for this course, students will be awarded certificates for successful participation in the Certificate Seminars.</p> <p>Credits: (0 / 0 / 0) 0 Prerequisites: None Co-requisites: None Abbreviated Title: Spike VI Category: University Core Course Teaching Language: English Keywords: Spike VI Department offering the course: Department of General Education</p>
14.	<p>PHYS253 Introductory Physics</p> <p>Basic principles of physics: physical quantities; vectors and scalars; uniformly accelerated motion; Newton's laws; work and energy; rotational dynamics and static equilibrium.</p> <p>Credits: (3/0/0)3 Prerequisites: None Co-requisites: None Abbreviated Title: Physics Category: University Core Course (PN) Teaching Language: English Keywords: Department offering the course: Department of Physics</p>
15.	<p>MENG365 Manufacturing Techniques</p> <p>Knowledge about suitable materials and manufacturing techniques in Industrial Design, machines used in mass production and their working principles, treating of various materials in Industry.</p> <p>Credits: (2/2/0)3 Prerequisites: None Co-requisites: None Abbreviated Title: Manufacturing Techniques Category: Area Core Course Teaching Language: English Keywords: Department offering the course: Department of Mechanical Engineering</p>
16.	<p>ECON341 Introduction to Economics</p> <p>Definition of Economics, its basic concepts and principles, demand and supply, income, outcome, competition, national income, budget, etc.</p> <p>Credits: (3/0/0)3 Prerequisites: None Co-requisites: None Abbreviated Title: Introduction to Economics Category: University Core Course (SB) Teaching Language: English Keywords: Department offering the course: Economics</p>
17.	<p>MRKT201 Introduction to Marketing</p> <p>Principles, concepts, and institutions involved in facilitating the exchange of goods and services. Analysis of markets, the marketing environment, and the marketing variables of product, price, promotion, and distribution. Introduction to marketing strategy and international marketing. Ethical issues. Consumer behavior. Market segmentation. Product development and policies, methods and practices. Distribution decisions. Marketing communications. Marketing research. Contemporary issues in marketing.</p> <p>Credits: (3/0/0)3 Prerequisites: None Co-requisites: None Abbreviated Title: Int. to Marketing Category: University Core Course (SB) Teaching Language: English Keywords: Marketing Concept, Product Development, Target Marketing, Market Segmentation Department offering the course: Business Administration</p>
18.	<p>XXXXXXX Computer Literacy</p> <p>Information Technology in Perspective. Using the PC. Inside the Computer. Storing and Retrieving Information, information input and Output. Networks and Networking. Going Online. The Windows Environment. Living In an Information Society. Business Information Systems. Use of Office tools.</p> <p>Credits: (2 / 0 / 2) 3 Prerequisites: None Co-requisites: None Abbreviated Title: Computer Literacy Category: University Core Course Teaching Language: English Keywords: Department offering the course: School of Computing and Technology</p>

Course Descriptions – I - Turkish: All core courses offered by the department of the program
Ders Tanımları – I – Türkçe: Programı sunan Bölüm tarafından verilen tüm temel dersler

- **Ders Kodu:** DERSXXX 'in ders kodu ile değiştirin
- **Ders Adı:** "Tam Ders Adı" yazısını silip yerine dersin tam adını yazınız.
- **Ders İçeriği:** "Ders içeriği..." yazısını silip dersin içeriğini yazınız. Çoklu paragraflardan kaçınınız. Ve sonunda bir satır boşluk kalmasını sağlayınız.
- **Dersin Kredisi:** L, L, T ve X harfleri yerine sırasıyla ders, lab, tutorial ve dersin toplam kredilerini karşılık gelecek şekilde yazınız..
- **Ön ve yan koşullar:** "None" kelimesini siliniz ve XXXXXX yerine dersin ön veya yan koşul dersini yazınız.
- **Dersin kategorisi:** XXXXXXXX yerine "Üniversite Ana", "Fakülte / Okul Ana", "Alan Ana", "Alan Seçmeli", veya "GE Seçmeli" ibareleriDESn birini yazınız.
- **Dersin Kısa Adı:** Bu bilgi ders çizelgesi (transkript) veya kayıt formlarında kullanılacaktır. XXXXXXXXXXXXXXXX yerine dersin kısa adını yazınız.
- **Eğitim Dili:** XXXXX yerine dersin eğitim dilini yazınız.
- **Anahtar Kelimeler:** XXXXXX, XXXXXX yerine dersi tanımlamakta yararlı olacak ve derin adı ile içeriğIDES yer almayan kelimeleri yazınız.

Toplam metin uzunluğu 2000 basamağı geçemez.

1.	FARC101 Temel Tasarım Atölyesi Tasarımın temel ilkeleri, 2 ve 3 boyutlu çalışmalar yoluyla görsel bir dil oluşturma, tasarım elemanları ve özellikleri, tasarım ilkeleri, öğrencilerin el ve zihinsel becerilerini geliştiren problemler, yenilik ve eleştirel düşünmeye vurgu. <i>Kredi: (4/0 / 4) 6</i> <i>Önkoşul: Yok</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: Temel Tasarım Atölyesi</i> <i>Kategorisi: Fakülte Ana Dersi</i> <i>Eğitim Dili:</i> <i>Anahtar Kelimeler: Temel Kavramlar, geometri ve biçimsel ilişkiler, Biçim, Renk, Doku,</i>
2.	FARC103 Grafik Anlatım - I Grafik iletişimin temel araçları, ortografik, aksonometrik, ve perspektif çizimlerin temelleri, farklı grafik sunuş biçimleri ile tanışma. <i>Kredi: (2/0/2) 3</i> <i>Önkoşul: Yok</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: Grafik Anlatım I</i> <i>Kategorisi: Fakülte Ana Dersi</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler: Mimari Anlatım, Çizim Teknikleri</i>
3.	FARC111 Sanat ve Tasarıma Giriş Sanat, tasarım ve kültür rolünü tanıtmaya yoluyla tasarım için kuramsal bir temel oluşturmak, sanat ve tasarımın temel terimleri, elemanları ve organizasyon ilkeleri, tasarım dallarının tarihsel gelişimleri ve ilişkileri. <i>Kredi: (3/0/0) 3</i> <i>Önkoşul: Yok</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: Sanat ve Tasarıma Giriş</i> <i>Kategorisi: Üniversite Temel Dersi (AH)</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler:</i>
4.	FARC102 Tasarıma Giriş Atölyesi Temel Tasarım'ın devamı, tasarım sürecine vurgu, üç boyutlu form, mekan, işlev, malzeme, strüktür ve ölçek ile çalışma, soyut projelerden somuta geçiş, tasarım kararlarında kültürel ve fiziki boyutun rolü. <i>Kredi: (4 / 0 / 4) 6</i> <i>Önkoşul: FARC 101</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı:</i> <i>Kategorisi: Fakülte Ana Dersi</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler:</i>
5.	FARC104 Grafik Anlatım - II Gelişmiş grafik anlatım teknikleri, 3-boyutlu çizimde ileri teknikler, değişik tasarım dallarında çizim kuralları, farklı çizim ortamlarında sunuş teknikleri. <i>Kredi: (2 / 0 / 2) 3</i> <i>Önkoşul: Yok</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı:</i> <i>Kategorisi: Fakülte Ana Dersi</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler: gelişmiş çizim teknikleri, sunuş teknikleri</i>
6.	IDES201 Endüstri Ürünleri Tasarımı Atölyesi - I Ürün tasarımında temel ilkeler, sistematik düşünme, kavram ve senaryo geliştirme becerilerinin geliştirilmesini hedefleyen, insan-ürün ilişkisi, ürünün işlevsel gereksinimlerinin ön planda olduğu tasarım sorunları. <i>Kredi: (4/0/4) 6</i> <i>Önkoşul: FARC102</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: End. Ürün.Tas. Atölyesi I</i> <i>Kategorisi: Alan Temel Dersi</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler:</i>
7.	IDES203 Endüstri Ürünleri Tasarımcıları için Grafik Anlatım Tasarım sürecinde kullanılmak üzere grafik unsurların, ürün üretimi ve makina parçaları ile ilgili çizimler, 2 ve 3 boyutlu çizim teknikleri ve ürün iletişim dilinin geliştirilmesi.

	<i>Kredi: (2/0/2) 3</i> <i>Önkoşul: Yok</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: End.Tas.için Grafik Anlatım</i> <i>Kategorisi: Alan Temel Dersi</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler:</i>
8.	IDES221 Teknoloji Tarihi İlk çağlardan günümüze dek teknolojinin gelişmesindeki en önemli etkenler, üretim yöntemlerinin tarih boyunca gelişmesi, endüstrileşme ile üretim biçimlerinin değişimi. <i>Kredi: (3/0/0) 3</i> <i>Önkoşul: Yok</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: Teknoloji Tarihi</i> <i>Kategorisi: Üniversite Temel Dersi (AH)</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler:</i>
9.	IDES211 Tasarımda İnsan Etmeni İnsan vücudunun boyutları ve devinimleri konusunda bilgi, antropometrik bilginin ürün tasarımıda kullanımı, insan-mekan, insan-ürün arasındaki ilişki ve ürünlerin rahat kullanım ve güvenliliği ile ilgili konular. <i>Kredi: (3/0/0) 3</i> <i>Önkoşul: Yok</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: Tasarımda İnsan Etmeni</i> <i>Kategorisi: Alan Temel Dersi</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler:</i>
10.	IDES202 Endüstri Ürünleri Tasarımı Atölyesi - II Farklı alanlardaki tasarım sorunlarına özgün ve yaratıcı çözümler üretilmesi, araştırma ve bilgi edinme yoluyla çok sayıda üretilecek ürünler ile ilgili malzeme ve detay çözümleri üretilmesini amaçlayan tasarım problemleri. <i>Kredi: (4/0/4) 6</i> <i>Önkoşul: IDES201</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: End. Ürün. Tas. Atölyesi II</i> <i>Kategorisi: Alan Temel Dersi</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler:</i>
11.	IDES222 Endüstri Ürünleri Tasarımı Tarihi Tarihsel boyutuyla endüstri ürünlerinin gelişimi, endüstri devriminden sonra toplu üretimde tasarımın ve tasarımcıların rolü, yirminci yüzyılda öne çıkan tasarım kuramları ve tanınmış tasarım örnekleri, tasarımın gelişimi ile ilgili teknolojik, toplumsal ve kültürel etkenler. <i>Kredi: (3/0/0) 3</i> <i>Önkoşul: Yok</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: End.Ürün. Tas. Tarihi</i> <i>Kategorisi: Alan Temel Dersi</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler:</i>
12.	IDES282 Tasarımcılar için Bilgisayar Destekli Tasarım (CAD) Eğitsel ve mesleki anlamda çizim ve tasarım etkinlikleinde kullanılabilecek 2 ve 3 boyutlu bilgisayar destekli tasarım programları, üç boyutlu sayısal modelleme programları, tasarım sürecinde bilgisayar kullanımı ve tasarım stüdyosu ile ilişkilendirilmesi. <i>Kredi: (2/0/2) 3</i> <i>Önkoşul: FARC 182</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: Tasarımcılar için CAD</i> <i>Kategorisi: Alan Temel Dersi</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler:</i>
13.	IDES232 Tasarım ve Taşıyıcı Sistem Taşıyıcı sistemlerinin çalışma ilkeleri, yük türleri, farklı malzemelerin fiziki ve mekanik özellikleri, gerilme ve deformasyon, çekme, basınç, eğilme, burulma ve geometrinin taşıyıcı sistem üstündeki etkisi. <i>Kredi: (3/0/0) 3</i> <i>Önkoşul: Yok</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: Taşıyıcı Sistem</i> <i>Kategorisi: Alan Temel Dersi</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler:</i>
14.	IDES242 Malzeme Ürün tasarım sürecinde doğru malzeme seçimi ile ilgili duyarlılığı geliştirme, endüstri ürünleri tasarımıda kullanılan plastik, cam, metal ve ahşap gibi malzemelerin özellikleri ve yapım teknikleri. <i>Kredi: (3/0/0) 3</i> <i>Önkoşul: Yok</i> <i>Yankoşul: Yok</i> <i>Dersin Kısa Adı: Malzeme</i> <i>Kategorisi: Alan Temel Dersi</i> <i>Eğitim Dili: İngilizce</i> <i>Anahtar Kelimeler:</i>
15.	IDES 200 Staj - I Bir Endüstri ürünü üretim merkezinde 4 hafta çalışmak ve üretim sürecini izleyerek bir rapor hazırlamak.

	<i>Kredi:</i> NC	<i>Önkoşul:</i> yok	<i>Yankoşul:</i> Yok
	<i>Dersin Kısa Adı:</i> :Staj I	<i>Kategori:</i> Alan Temel Dersi	<i>Eğitim Dili:</i>
	<i>Anahtar Kelimeler:</i>		
16.	IDES301	Endüstri Ürünleri Tasarımı Atölyesi - III	
	Karmaşık ürünlerin tasarımına sistematik yaklaşım, yeni teknolojinin kullanımı, detay çözümleri, tasarımda ve proje sunumunda kişisel stilin geliştirilmesini hedefleyen tasarım sorunları.		
	<i>Kredi:</i> (4/0/4) 6	<i>Önkoşul:</i> IDES202	<i>Yankoşul:</i> Yok
	<i>Dersin Kısa Adı:</i> End. Ürün. Tas. Atölyesi III	<i>Kategori:</i> Alan Temel Dersi	<i>Eğitim Dili:</i> İngilizce
	<i>Anahtar Kelimeler:</i>		
17.	IDES302	Endüstri Ürünleri Tasarımı Atölyesi - IV	
	Yaşam mekanları ile ilgili tasarım sorunları, işlev, mekan, insan ve mobilya ilişkisi, bütünün içerisinde detaylı ürün tasarımları.		
	<i>Kredi:</i> (4/0/4) 6	<i>Önkoşul:</i> IDES301	<i>Yankoşul:</i> Yok
	<i>Dersin Kısa Adı:</i> End. Ürün. Tas. Atölyesi IV	<i>Kategori:</i> Alan Temel Dersi	<i>Eğitim Dili:</i> İngilizce
	<i>Anahtar Kelimeler:</i>		
18.	IDES312	Tasarımda Anlam	
	Tasarımda nesnenin taşıdığı anlam; nesnenin anlamını okumaya ve kavramaya yönelik bir yöntem olarak kullanılan anlam bilim, yeni ürün türlerinin seçimi ve kullanımında ortaya çıkan yeni okuma özelliklerinin iletişim, anlam ve kimlik sorunlarını inceleyerek örneklenmesi, kuramsal bilgi aktarımı yoluyla özgün yaklaşımlara yönlendirme.		
	<i>Kredi:</i> (3/0/0) 3	<i>Önkoşul:</i> Yok	<i>Yankoşul:</i> Yok
	<i>Dersin Kısa Adı:</i> Tasarımda Anlam	<i>Kategori:</i> Alan Temel Dersi	<i>Eğitim Dili:</i> İngilizce
	<i>Anahtar Kelimeler:</i>		
19.	IDES 300	Staj - II	
	Bir tasarım bürosunda dört hafta boyunca çalışmak ve tasarım aktivitelere katılmak.		
	<i>Kredi:</i> NC	<i>Önkoşul:</i> yok	<i>Yankoşul:</i> Yok
	<i>Dersin Kısa Adı:</i> :Staj I	<i>Kategori:</i> Alan Temel Dersi	<i>Eğitim Dili:</i>
	<i>Anahtar Kelimeler:</i>		
20.	IDES401	Endüstri Ürünleri Tasarımı Atölyesi - V	
	Araştırma ve özgün çözümler gerektiren özel gereksinimlere yanıt vermek (bedensel özürülere yönelik ürünler, taşımacılıkla ilgili araçlar, vb.) veya bir kültürü veya bir kurumsal değeri yansıtmak üzere ürünler serisi tasarımı, işlevsel yeterlilik kadar biçimin önemli olduğu, detay çözümleri ve mesleki sunum içermesi beklenen tasarım çalışmaları.		
	<i>Kredi:</i> (4/0/4) 6	<i>Önkoşul:</i> IDES302	<i>Yankoşul:</i> Yok
	<i>Dersin Kısa Adı:</i> End. Ürün. Tas. Atölyesi IV	<i>Kategori:</i> Alan Temel Dersi	<i>Eğitim Dili:</i> İngilizce
	<i>Anahtar Kelimeler:</i>		
21.	IDES481	Mesleki Uygulama	
	Tasarımcıların iş dünyasında karşılaşabilecekleri durumlar, iş aramak için gereken dosyaları hazırlamak, meslek kuruluşlarınınca adil rekabeti sağlamak için geliştirilen yöntemler; mesleki etik, müşteri ile ilişki, yasal, mali ve idari sorunlar ve büro yönetimi.		
	<i>Kredi:</i> (3/0/0) 3	<i>Önkoşul:</i> Yok	<i>Yankoşul:</i> Yok
	<i>Dersin Kısa Adı:</i> Mesleki Uygulama	<i>Kategori:</i> Alan Temel Dersi	<i>Eğitim Dili:</i> İngilizce
	<i>Anahtar Kelimeler:</i>		
22.	IDES403	Araştırma Yöntemleri	
	Sistematik araştırma yöntemleri, ürün tasarımında ön araştırma süreci, yazılı bir araştırmanın hazırlanması.		
	<i>Kredi:</i> (3/0/0) 3	<i>Önkoşul:</i> IDES302	<i>Yankoşul:</i> Yok
	<i>Dersin Kısa Adı:</i> Araştırma Yöntemleri	<i>Kategori:</i> Alan Temel Dersi	<i>Eğitim Dili:</i> İngilizce
	<i>Anahtar Kelimeler:</i>		
23.	IDES451	Tasarım Yönetimi	
	Tasarım yönetiminin gelişimi; iş rekabeti aracı olarak tasarım, tasarım ve yenilikçilik; yeni ürün geliştirilmesi; tasarım ve kurumsal kimlik(imaj) yönetimi; tasarımda insan kaynakları; tasarım projelerinin yönetimi.		

	<i>Kredi: (3/0/0) 3</i> <i>Dersin Kısa Adı: Tasarım Yönetimi</i> <i>Anahtar Kelimeler:</i>	<i>Önkoşul: yok</i> <i>Kategori: Alan Temel Dersi</i>	<i>Yanlışul: Yok</i> <i>Eğitim Dili: İngilizce</i>
24.	IDES402 Endüstri Ürünleri Tasarımı Atölyesi - VI		
	Araştırma ve özgün çözümler gerektiren özel gereksinimlere yanıt vermek (bedensel özürllürlere yönelik ürünler, taşımacılıkla ilgili araçlar, vb.) veya bir kültürü veya bir kurumsal değeri yansıtmak üzere ürünler serisi tasarımı, işlevsel yeterlilik kadar biçimin önemli olduğu, detay çözümleri ve mesleki sunum içermesi beklenen tasarım çalışmaları.		
	<i>Kredi: (4/0/4) 6</i> <i>Dersin Kısa Adı: End. Ürün. Tas. Atölyesi VI</i> <i>Anahtar Kelimeler:</i>	<i>Önkoşul: IDES401, IDES 403</i> <i>Kategori: Alan Temel Dersi</i>	<i>Yanlışul: Yok</i> <i>Eğitim Dili: İngilizce</i>

Course Descriptions – II - Turkish : All compulsory courses offered by other academic units
Ders Tanımları – II – Türkçe : Diğer akademik birimler tarafından verilen tüm temel dersler To be finalized upon final information from GE Department

1.	XXXXXXX	İngilizce Dilinde İletişim - I		
2.	GEED111	Eleştirel Düşünme - I		
3.	GEED 101	SPIKE - I		
4.	TURK 100/199	Türkçe Dilinde İletişim		
5.	HIST 200/299	Türk İnkilap Tarihi		
6.	MATH 191	Tasarımcılar için Matematik ve Geometri		
	Öğrencilere matematik ve geometrinin mimarlık, iç mimarlık, ve endüstri ürünleri tasarımı disiplinleri ile olan ilişkilerin; tasarım ve matematiksel düşünme arasındaki ilişki örneklerle gösterilmesi; matematik ve geometri alanında temel konuların anlatımı.			
	<i>Kredi: (3/0/0)3</i> <i>Dersin Kısa Adı: Tasarımcılar için Math. & Geo.</i> <i>Anahtar Kelimeler:</i> <i>Dersi veren Bölüm: Matematik</i>	<i>Önkoşul: Yok</i> <i>Kategori: Üniversite Ana Dersi (M)</i>	<i>Yanlışul: Yok</i> <i>Eğitim Dili: İngilizce</i>	
7.	XXXXXXX	İngilizce Dilinde İletişim - II		
8.	GEED112	Eleştirel Düşünme - II		
9.	GEED 102	SPIKE - II		
10.	GEED 201	SPIKE - III		
11.	GEED 202	SPIKE - IV		
12.	GEED 301	SPIKE - V		
13.	GEED 302	SPIKE - VI		
14.	PHYS 253	Fiziğe Giriş		
	Temel fizik prensipleri: fiziksel ölçümleri, vektörler ve skalarlar, dairesel hareket, Newton kanunları, iş ve enerji, dairesel dinamik ve statik denge.			
	<i>Kredi: (3/0/0) 3</i> <i>Dersin Kısa Adı: Fizik</i> <i>Anahtar Kelimeler:</i> <i>Dersi veren Bölüm: Fizik</i>	<i>Önkoşul: Yok</i> <i>Kategori: Üniversite Ana Dersi (PN)</i>	<i>Yanlışul: Yok</i> <i>Eğitim Dili: İngilizce</i>	
15.	MENG365	Üretim Yöntemleri		
	Ürün Tasarımında uygun malzeme ve üretim yöntemlerinin seçimine yönelik, toplu üretimde kullanılan makineler ve çalışma ilkeleri, farklı malzemelerin endüstride işlenmesi ile ilgili bilgi.			
	<i>Kredi: (2/0/2) 3</i> <i>Dersin Kısa Adı: Üretim Yöntemleri</i> <i>Anahtar Kelimeler:</i> <i>Dersi veren Bölüm: Makina Mühendisliği</i>	<i>Önkoşul: Yok</i> <i>Kategori: Alan Ana Dersi</i>	<i>Yanlışul: Yok</i> <i>Eğitim Dili: İngilizce</i>	
16.	ECON341	Ekonomiye Giriş		
	Ekonominin tanımı, temel kavramları ve ilkeleri, istem ve sunu, gelir ve gider, rekabet, milli gelir, bütçe, ve benzeri konular.			
	<i>Kredi: (3/0/0) 3</i> <i>Dersin Kısa Adı: Ekonomiye Giriş</i> <i>Anahtar Kelimeler:</i> <i>Dersi veren Bölüm: Ekonomi</i>	<i>Önkoşul: Yok</i> <i>Kategori: Üniversite Temel Dersi (SB)</i>	<i>Yanlışul: Yok</i> <i>Eğitim Dili: İngilizce</i>	
17.	MRKT201	Pazarlamaya Giriş		
	Eşya ve hizmetlerin değişimini etkileyen prensipler, kavramlar ve kurumlar. Pazarların analizi, pazarlamanın çevreyle ilişkileri, ve pazarlama değişkenlerinin, ürün, fiyat, tutundurma ve dağıtımı. Pazarlama karmasının oluşumu. Pazarlama stratejilerine ve uluslararası pazarlamaya giriş. Hedef Pazar seçimi. Etik konuları. Tüketici davranışı. Pazar bölümlendirmesi. Ürün gelişimi ve politikaları, yöntemleri ve uygulamaları. Dağıtım kararları. Pazarlama iletişimi. Pazarlama araştırması. Pazarlamada yeni, modern yaklaşımlar.			
	<i>Kredi: (3/0/0) 3</i> <i>Dersin Kısa Adı: Pazarlamaya Giriş</i> <i>Anahtar Kelimeler: Pazarlama Kavramı, Ürün Gelişimi, Hedef Pazarlama, Pazar Bölümlendirmesi</i> <i>Dersi veren Bölüm: İşletme</i>	<i>Önkoşul: Yok</i> <i>Kategori: Üniversite Temel Dersi (SB)</i>	<i>Yanlışul: Yok</i> <i>Eğitim Dili: İngilizce</i>	

18.	XXXXXXX	Bilgisayara Giriş
Bilgisayar dünyasına giriş olan bu ders, hayatımızda büyük rolü olan bilgisayarların donanımı, işleyişi, popüler yazılım paketleri, Windows işletim sistemi, bilgisayar ağları ve internet kullanımı hakkındaki konuları içermektedir.		
Kredi: (2 / 0 / 2) 3 Önkoşul: Yok Yankoşul: Yok		
Dersin Kısa Adı: Bilgisayara Giriş Kategorisi: Üniversite Ana Dersi Eğitim Dili: İngilizce		
Anahtar Kelimeler:		
Dersi veren Bölüm: Bilgisayar Teknolojisi Yüksek Okulu		

Part VI. Consultations

Other Academic Units Involved in Teaching (Other Academic Contributors/Owners)					
<i>List the names of the academic units which are going to offer indicated courses. The approval (i.e., initials) of the listed academic unit heads is necessary. Please exclude area or GE elective courses. Add additional rows if necessary.</i>					
	Academic Unit	Courses to be offered by this academic unit	Total Number	Total Credits	Approval (Date and initials)
1.	Dep. of Mathematic	Math. and Geometry for Designers	1	3	
2.		Computer Literacy	1	3	
3.	Dep. of Physics	Physics	1	3	
4.	Dep. of Business Adm.	Introduction to Marketing	1	3	
5.	Dep. of Economics	Introduction to Economics	1	3	
6.	Dep. of Mechanical Engineering	Manufacturing Techniques	1	3	
<i>Total:</i>			6	18	

GE Department					
<i>Consult and get approval concerning the compliance of the proposed curriculum with the existing GE policy.</i>					
Recommendations and other remarks:					
GE Department Head (Name)	Assoc. Prof. Dr. Johann Pillai	Date		Signature	

Rectors Office: Vice Rector for Student Affairs					
<i>Consult and get approval concerning the compliance of the proposed curriculum with existing student recruitment policies.</i>					
Recommendations and other remarks:					
Vice Rector (Name)	Assist. Prof. Dr. Şamil Erdoğan	Date		Signature	

Rectors Office: Budget and Planning Office					
<i>Consult and get approval about the compliance of the proposed curriculum to the existing budget and planning policies.</i>					
Recommendations and other remarks:					
Name and Duty	Vice Rector: Assoc. Prof. Dr. Mustafa Dağbaşı	Date		Signature	

Part VII. Approval of the Founding Department Chair (and Founding Department Board if any)

Founding Department Chair, Title and Name		Signature		Date	
Founding Board Meeting Date		Meeting Number		Decision Number	

Part VIII. Approval of Faculty/School Board

Board Meeting Date	29.09.2004	Meeting Number	24	Decision Number	FK 04/24-2
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Dean/Director Title and Name	Assoc. Prof. Dr. Can Kumbaracıbaşı	Signature		Date	26.05.05
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Part IX. Evaluation of University Curriculum Committee

University Curriculum Committee Check-list					
Review item	OK	Recommendations			
<i>Submission:</i>					
Format in general (completeness of the forms)					
Deadlines					
Initials and Signatures					
Consultations					
<i>Curriculum:</i>					
Compliance with the core curriculum policy					
Coherence and relevance of justifications in general					
Appropriateness of reference codes					
Appropriateness of course coding					
Format and length of course titles and descriptions					
Language of course titles and descriptions					
Calculation of the credits of the courses and total credit					
Consistency of the use of credits in different sections					
Compliance of the course credit descriptions with policies					
Total credit or student work load appropriateness					
Reasonable distribution of courses among semesters					
Reasonable prerequisites and co-requisites					
Appropriateness of academic ownership of the courses					
Justifiable minimum overlap among similar courses					
Interdisciplinary nature of the courses					
<i>Accreditation:</i>					
Compliance with the requirements of YÖK					
Compliance with the requirements of ABET or any other accreditation agency if applicable					
Compliance with the ECTS					
<i>Implementation:</i>					
Availability of human resources					
Availability of physical resources					
Justified budget and financing					
Compliance with strategic priorities					
Proper initiation semester					
<i>Overall:</i>					
<input type="checkbox"/> Recommend without reservation <input type="checkbox"/> Recommend with minor corrections indicated above <input type="checkbox"/> Not recommended					
Report-Decision No:					
Chairperson Title and Name	Assoc. Prof. Dr. Osman Yılmaz	Date		Signature	

Part X. Approval of Senate

Senate Meeting Date	08.06.2005	Meeting Number	241	Decision Number	05/241-2
Rector Title and Name	Prof. Dr. Halil Güven	Signature		Date	

Program Title:	INDUSTRIAL DESIGN			Date Received:	May 10, 2005
Preliminary Evaluation Date:	May 10, 2005	Subcommittee Evaluation Date:	May 27, 2005	UCC Evaluation Date:	June 3, 2005

Review item	OK	Remarks / Recommendations
<i>Submission:</i>		
<p>Format in general (completeness of the forms) (Latest version of the most proper form; No blank spaces left etc...)</p>	√	Not the very latest version of the form (ok since submitted before the final version of the form was available).
<p>Deadlines (Initiation: no later than 2 semesters; Senate Approval: no later than 3 months before implementation semester)</p>	√	
<p>Board Approvals (Department Board, Faculty/School Board)</p>	√	
<p>Consultations (Other academic units affected by the changes; GE Department Head; Vice Rector for Academic Affairs if the title or diploma degree has been changed; Vice Rector for budget and financing if additional resources required)</p>	√	
<i>Curriculum:</i>		
<p>Compliance with the core curriculum policy (The category of courses should be specified properly; 6 SPIKE, 1 History, 1 Turkish, 2 English, 2 Critical Thinking Skills, 1 Computer Literacy, total of 8 courses from Math and social sciences (at least 3 in this category one of which is Math, the other Physical/Natural Sciences), 2-3 from Arts and Humanities, 2 or 3 from Social/Behavioral Sciences; At least 3 University Electives from these three categories containing 8 courses; More or all of these 8 courses can be left as a University elective course; at least 5 Faculty Core Courses; 12-16 Area Core Courses; at least 4 or more Area Elective Courses; A total of 20 Area Core and Area Elective courses)</p>	√	The University Core requirements are fulfilled. There is a total of 23 Area courses (17 compulsory and 6 elective). Total number of courses is 41 (excluding summer practice, SPIKE, HIST and TURK courses).
<p>Coherence and relevance of justifications in general (The departments should explain, in detail, why the Department / School wants to make these changes. The explanation can include, among other things, changes in the department's focus, changes in the field, changes in quality standards, changes in expectations regarding the qualifications of graduates, or weaknesses in the old program that the new program is designed to rectify. Some historical background and a comparative analysis with the programs of some universities will be most appropriate.)</p>	√	
<p>Appropriateness of course coding (4 letter field code; 3 letter numeric code; no space; no sub discipline based field codes; odd third digits for fall semesters)</p>	√	
<p>Format and length of course titles and descriptions (60 characters; hyphenated use of roman numerals ("-I", "-II" etc.) in sequential courses; limited number of sequential courses; Concise and clear language; 30 character transcript title)</p>	√	
<p>Course contents (Max. 2000 characters; concise and clear language; no overlap with similar courses)</p>	√	Further editing of catalog descriptions is necessary. Proper sentences should be avoided. Phrases and short descriptions should be used instead. Turkish catalog descriptions should be prepared for some external courses (GEED111, MATH191, etc.).
<p>Calculation of the credits of the individual courses and the total credit of the program (Credit = Lec + ½ (lab+tut), the digits after the decimal point of the resultant number is dropped)</p>	√	

<p>Consistency of the use of credits in different sections of the form</p>	√	
<p>Compliance of the course credit descriptions with policies (mainly 3 credit courses; seminar and professional orientation courses are 1 credit, SPIKE is 0 credit, HIST 200 is 2 credit)</p>	√	There are some 6 credit courses.
<p>Total credit or student work load appropriateness (Total of 40 3-4 credit courses excluding SPIKE, Turkish and History, 120-145 total credits)</p>	√	Total number of credited courses is 43 and credit accumulation is 152 (including credits from TURK, HIST, etc.).
<p>Reasonable distribution of courses among semesters (Five 3-4 credit courses per semester excluding SPIKE, Turkish and History)</p>	√	Fine for Industrial Design Department.
<p>Reasonable prerequisites and co-requisites (Very limited number of courses should be assigned as "prerequisite" or "co requisite". Prerequisites should be limited to sequential courses if possible)</p>	√	
<p>Appropriateness of academic ownership of the courses (The courses should be offered by a department which hosts the field of the course. For example, Math courses by Math department)</p>	√	
<p>Justifiable minimum overlap among similar courses (A course can not be opened in the presence of an existing course with similar content. Vocational school courses are exceptional)</p>	√	
Accreditation:		
<p>Compliance with the requirements of YÖK</p>	√	
<p>Compliance with the requirements of ABET or any other accreditation body if applicable</p>	N.A.	
Implementation:		
<p>Sufficiency of human resources</p>		Rector's Office approval given
<p>Sufficiency of physical resources</p>		Rector's Office approval given
<p>Justified budget and financing</p>		Rector's Office approval given
<p>Proper initiation semester</p>	√	
<p>Existence of the implementation guide</p>	√	
Additional Remarks:		
Overall:		
<input checked="" type="checkbox"/> Recommend without reservation <input type="checkbox"/> Recommend with minor corrections/recommendations indicated above <input type="checkbox"/> Not recommended		