

**SECOND CYCLE OF ACADEMIC UNIVERSITY STUDIES IN MECHANICAL
ENGINEERING FOR A PERIOD ONE YEAR (60CREDITS)**

Study programme: Production systems design

I Semester- First year			
Mandatory subjects			
CODE	SUBJECT	ECTS	TOTAL HOURS
2MF200113	Experimental methods	6	90
2MF200213	Production Planning and Control	6	90
2MF200313	Management of Product Quality	6	90
	Elective subject from the Faculty 1	4	60
	Elective subject from the Faculty 2	4	60
	Elective subject from the University 1	4	60
Total:		30	450

I Semester- First year			
Elective subjects from the Faculty			
CODE	SUBJECT	ECTS	TOTAL HOURS
2MF200413	Theory and selection processing for processes with cutting	4	60
2MF200513	Tools and accessories for metal cutting machines	4	60
2MF200613	Modern procedures of the plastic processing	4	60
2MF200713	Tools for plasticprocessing	4	60
2MF20813	Heat treatment and surfacerefining	4	60
2MF20913	Fusion and thermal cutting technologies	4	60
Total:			

II Semester- First year			
Mandatory subjects			
CODE	SUBJECT	ECTS	TOTAL HOURS
2MF201013	Production systems	6	60
	Master thesis	24	360
Total:		30	420

Elective subjects from the University

No	COD	SUBJECT	ECTS	TOTAL
1	UGD200112	Entrepreneurship	4	60
2	UGD200212	Human resource management	4	60
3	UGD200312	Promotion	6	90
4	UGD200412	Corporative culture	6	90
5	UGD200512	Applied electrical engineering	6	90
6	UGD200612	Agro ecology	6	90
7	UGD200712	Organic production	6	90
8	UGD200812	Unconventional processes	4	40
9	UGD200912	Plastic processing technologies	4	40
10	UGD201012	Copyright and other related rights	6	90
11	UGD201112	European Union – institutions and law	4	60
12	UGD201212	International criminal law	6	90
13	UGD201312	Political parties	4	60
14	UGD201412	Design and analysis of experiments	4	60
15	UGD201512	History and theory of design	4	60
16	UGD201612	Mechanical properties of textiles	4	60
17	UGD201712	Web technologies for business support	4	60
18	UGD201812	Business data communications	4	60

19	UGD201912	E-learning	4	60
20	UGD202012	Finitel element methods	6	90
21	UGD202112	Finite element methods	4	60
22	UGD202212	Applied data analysis	6	90
23	UGD202312	Applied data analysis	4	60
24	UGD202412	Business foreign language (English language)	4	60
25	UGD202512	. Business foreign language (German language)	4	60
26	UGD202612	Macedonian language in public communication	4	60
27	UGD202712	. Music of humankind	4	60
28	UGD202812	. Educational systems	4	60
29	UGD202912	A Topical Approach to Life-Span Development	4	60
30	UGD203012	GIS	4	40
31	UGD203112	. Industrial Engineering	6	90
32	UGD203212	. Methodology of scientific investigation work	4	60
33	UGD203312	. Natural resources	6	90
34	UGD203412	. Business systems in tourism and hospitality	6	90
35	UGD203512	International tourism zones	4	40
36	UGD203612	. Planning in tourism	6	90
37	UGD203712	. Regional Planning and Sustainable Development	4	60
38	UGD203812	Applied Electrical Engineering	4	60

NOTE :

- Choose only one language for Business foreign language 1
- Choose only one language for Business foreign language 2
- For one year studies choose from the subjects with 4 credits
- For two-year studies choose from the subjects with 6 credits