



Kafkas Üniversitesi
DEDE KORKUT FACULTY OF EDUCATION
Mathematics and Science Education
Fen Bilgisi Öğretmenliği

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
229903101	Introduction to Education	2+0+0	Compulsory	3
229903103	Educational Philosophy	2+0+0	Compulsory	3
229903105	Ataturk's Principles and History of Revolution I	2+0+0	Compulsory	3
229903107	Foreign Language I	2+0+0	Compulsory	3
229903109	Turkish Language I	3+0+0	Compulsory	5
229903111	information technologies	3+0+0	Compulsory	5
229903113	Physics I	3+2+0	Compulsory	3
229903115	Chemistry I	3+2+0	Compulsory	3
229903117	General Mathematics I	2+0+0	Compulsory	2
229903119	Career planning	1+0+0	Compulsory	2
Total ECTS				32

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
229903102	Education Sociology	2+0+0	Compulsory	3
229903104	Education psychology	2+0+0	Compulsory	3
229903106	Ataturk's Firsts and History of Revolution II	2+0+0	Compulsory	3
229903108	Foreign Language II	2+0+0	Compulsory	3
229903110	Turkish Language II	3+0+0	Compulsory	5
229903112	Physics II	3+2+0	Compulsory	3
229903114	Chemistry II	3+2+0	Compulsory	3
229903116	biology I	3+2+0	Compulsory	4
229903118	General Mathematics II	2+0+0	Compulsory	3
Total ECTS				30

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
229903201	Research Methods in Education	2+0+0	Compulsory	3
229903203	Teaching Principles and Methods	2+0+0	Compulsory	3
229903245	Approaches to Science Learning and Teaching	2+0+0	Compulsory	3
229903247	biology II	2+2+0	Compulsory	4
229903249	Physics III	2+2+0	Compulsory	3
229903251	Chemistry III	2+2+0	Compulsory	3
AE/I	ELECTIVE I/II.CLASS	-	Elective	4
GK/I	ELECTIVE I/II.CLASS	-	Elective	3
MB/1	ELECTIVE I/II.CLASS	-	Elective	4
Total ECTS				30

229903205	Comparative Education	2+0+0	Elective	4
229903207	Open and Distance Learning	2+0+0	Elective	4
229903209	Child Psychology	2+0+0	Elective	4
229903211	Attention Deficit Hyperactivity Disorder	2+0+0	Elective	4
229903213	Education Law	2+0+0	Elective	4
229903215	Educational Anthropology	2+0+0	Elective	4
229903217	Education History	2+0+0	Elective	4
229903219	Drama in Education	2+0+0	Elective	4
229903221	Extracurricular Activities in Education	2+0+0	Elective	4
229903223	Science and Research Ethics	2+0+0	Elective	3
229903225	Fighting Addiction and Addiction	2+0+0	Elective	3
229903227	Traditional Turkish Handicrafts	2+0+0	Elective	3
229903229	Human Rights and Democracy Education	2+0+0	Elective	3
229903231	Human Relations and Communication	2+0+0	Elective	3
229903233	Career Planning and Development	2+0+0	Elective	3
229903235	Culture and Language	2+0+0	Elective	3
229903237	Media Literacy	2+0+0	Elective	3
229903239	Applications of Science in Technology	2+0+0	Elective	4
229903241	Science and Technology Originated Problems	2+0+0	Elective	4
229903243	Human Anatomy and Physiology	2+0+0	Elective	4

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
229903202	Turkish Education History	2+0+0	Compulsory	3
229903204	Instructional Technologies	2+0+0	Compulsory	3
229903244	Community Service Practices	1+2+0	Compulsory	3
229903246	Science Curriculum	2+0+0	Compulsory	3
229903248	biology III	2+2+0	Compulsory	4
229903250	Earth Science	2+0+0	Compulsory	3
AE/ II	ELECTIVE II/II.CLASS	-	Elective	4
GK/II	ELECTIVE II/II.CLASS	-	Elective	3
MB/II	ELECTIVE II/II.CLASS	-	Elective	4
Total ECTS				30

229903206	Elective 2 Critical and Analytical Thinking	2+0+0	Elective	4
229903208	Education of Hospitalized Children	2+0+0	Elective	4
229903210	Inclusive Education	2+0+0	Elective	4
229903212	Museum Education	2+0+0	Elective	4
229903214	Learning Disability	2+0+0	Elective	4
229903216	Individualizing and Adapting Teaching	2+0+0	Elective	4
229903218	Sustainable Development and Education	2+0+0	Elective	4
229903220	Adult Education and Lifelong Learning	2+0+0	Elective	4
229903222	GK Elective 2 Economy and Entrepreneurship	2+0+0	Elective	3
229903224	professional English	2+0+0	Elective	3
229903226	Art and Aesthetics	2+0+0	Elective	3
229903228	Turkish Folk Dances	2+0+0	Elective	3
229903230	Turkish Sign Language	2+0+0	Elective	3
229903232	Turkish Cultural Geography	2+0+0	Elective	3
229903234	Turkish Music	2+0+0	Elective	3
229903236	Turkish Art History	2+0+0	Elective	3
229903238	AE Elective 2 Misconceptions in Science Teaching	2+0+0	Elective	4
229903240	Chemical Wastes and Environmental Pollution	2+0+0	Elective	4
229903242	Renewable energy sources	2+0+0	Elective	4

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
229903301	Turkish Education System and School Management	2+0+0	Compulsory	3
229903303	Measurement and Evaluation in Education	2+0+0	Compulsory	3
229903345	Science Teaching I	3+0+0	Compulsory	6
229903347	Science Teaching Laboratory Applications I	1+2+0	Compulsory	4
229903349	Astronomy	2+0+0	Compulsory	3
AE/III	ELECTIVE CLASS III/III.	-	Elective	4
GK/III	ELECTIVE CLASS III/III.	-	Elective	3
MB/III	ELECTIVE CLASS III/III.	-	Elective	4
Total ECTS				30

229903305	Micro Teaching	2+0+0	Elective	4
229903307	Open and Distance Learning	2+0+0	Elective	4
229903309	Child Psychology	2+0+0	Elective	4
229903311	Attention Deficit Hyperactivity Disorder	2+0+0	Elective	4
229903313	Education Law	2+0+0	Elective	4
229903315	Educational Anthropology	2+0+0	Elective	4
229903317	Education History	2+0+0	Elective	4
229903319	Drama in Education	2+0+0	Elective	4
229903321	Extracurricular Activities in Education	2+0+0	Elective	4
229903323	History and Philosophy of Science	2+0+0	Elective	3
229903325	Fighting Addiction and Addiction	2+0+0	Elective	3
229903327	Traditional Turkish Handicrafts	2+0+0	Elective	3
229903329	Human Rights and Democracy Education	2+0+0	Elective	3
229903331	Human Relations and Communication	2+0+0	Elective	3
229903333	Career Planning and Development	2+0+0	Elective	3
229903335	Culture and Language	2+0+0	Elective	3
229903337	Media Literacy	2+0+0	Elective	3
229903339	Science Textbook Review	2+0+0	Elective	4
229903341	Science and Technology Originated Problems	2+0+0	Elective	4
229903343	Human Anatomy and Physiology	2+0+0	Elective	4

6.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
229903302	Ethics and Ethics in Education	2+0+0	Compulsory	3

229903304	Classroom Management	2+0+0	Compulsory	3
229903344	Science Teaching II	3+0+0	Compulsory	6
229903346	Science Teaching Laboratory Applications 2	1+0+0	Compulsory	4
229903348	Scientific Reasoning Skills	2+0+0	Compulsory	3
AE/IV	ELECTIVE CLASS IV/III	-	Elective	4
GK/IV	ELECTIVE CLASS IV/III	-	Elective	3
MB/IV	ELECTIVE CLASS IV/III	-	Elective	4

Total ECTS **30**

229903306	Out of School Learning Environments	2+0+0	Elective	4
229903308	Education of Hospitalized Children	2+0+0	Elective	4
229903310	Inclusive Education	2+0+0	Elective	4
229903312	Museum Education	2+0+0	Elective	4
229903314	Learning Disability	2+0+0	Elective	4
229903316	Individualizing and Adapting Teaching	2+0+0	Elective	4
229903318	Sustainable Development and Education	2+0+0	Elective	4
229903320	Adult Education and Lifelong Learning	2+0+0	Elective	4
229903322	Nutrition and Health	2+0+0	Elective	3
229903324	professional English	2+0+0	Elective	3
229903326	Art and Aesthetics	2+0+0	Elective	3
229903328	Turkish Folk Dances	2+0+0	Elective	3
229903330	Turkish Sign Language	2+0+0	Elective	3
229903332	Turkish Cultural Geography	2+0+0	Elective	3
229903334	Turkish Music	2+0+0	Elective	3
229903336	Turkish Art History	2+0+0	Elective	3
229903338	Evaluation of Classroom Learning	2+0+0	Elective	4
229903340	Chemical Wastes and Environmental Pollution	2+0+0	Elective	4
229903342	Renewable energy sources	2+0+0	Elective	4

7.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
229903401	Teaching Practice I	2+6+0	Compulsory	12
229903403	Guidance in Schools	2+0+0	Compulsory	3
229903429	Interdisciplinary Science Teaching	2+0+0	Compulsory	4
229903431	Environmental Education	2+0+0	Compulsory	3
AE/V	ELECTIVE V/IV.CLASS	-	Elective	4
MB/V	ELECTIVE V/IV.CLASS	-	Elective	4

Total ECTS **30**

229903405	Project Preparation in Education	2+0+0	Elective	4
229903407	Open and Distance Learning	2+0+0	Elective	4
229903409	Child Psychology	2+0+0	Elective	4
229903411	Attention Deficit Hyperactivity Disorder	2+0+0	Elective	4
229903413	Education Law	2+0+0	Elective	4
229903415	Educational Anthropology	2+0+0	Elective	4
229903417	Education History	2+0+0	Elective	4
229903419	Drama in Education	2+0+0	Elective	4
229903421	Extracurricular Activities in Education	2+0+0	Elective	4
229903423	Material Design in Science Teaching	2+0+0	Elective	4
229903425	Science and Technology Originated Problems	2+0+0	Elective	4
229903427	Human Anatomy and Physiology	2+0+0	Elective	4

8.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
229903402	Teaching Practice II	2+6+0	Compulsory	12
229903404	Special Education and Inclusion	2+0+0	Compulsory	3
229903428	Out-of-School Learning Environments in Science Teaching	2+0+0	Compulsory	4
229903430	The Nature and Teaching of Science	2+0+0	Compulsory	3
AE/VI	ELECTIVE VI/IV.CLASS	-	Elective	4
MB/VI	ELECTIVE VI/IV.CLASS	-	Elective	4

Total ECTS **30**

229903406	Character and Value Education	2+0+0	Elective	4
229903408	Education of Hospitalized Children	2+0+0	Elective	4
229903410	Inclusive Education	2+0+0	Elective	4
229903412	Museum Education	2+0+0	Elective	4
229903414	Learning Disability	2+0+0	Elective	4
229903416	Individualizing and Adapting Teaching	2+0+0	Elective	4
229903418	Sustainable Development and Education	2+0+0	Elective	4

229903420	Adult Education and Lifelong Learning	2+0+0	Elective	4
229903422	Turkey's Biological Riches	2+0+0	Elective	4
229903424	Chemical Wastes and Environmental Pollution	2+0+0	Elective	4
229903426	Renewable energy sources	2+0+0	Elective	4

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