SIIRT UNIVERSITY - FACULTY OF EDUCATION - COMPUTER EDUCATION AND INSTRUCTIONAL TECHNOLOGY											
FIRST YEAR											
	I. SEMESTER						**II. SEMESTER**				
Code	**Course Title**	**T**	**P**	**C**	**ECTS**	**Code**	**Course Title**	**T**	**P**	**C**	**ECTS**
TUR151	Turkish I: Written Expression	2	0	2	3	TUR152	Turkish II : Oral Expression	2	0	2	3
TAR101	History of Turkish Revolution & Principles of M.Kemal Atatürk I	2	0	2	2	TAR102	History of Turkish Revolution & Principles of M.Kemal Atatürk II	2	0	2	2
YD151	Foreign Language I	3	0	3	5	YD152	Foreign Language II	3	0	3	5
EGB151	Introduction to Science of Education	3	0	3	6	EGB152	Educational Psychology	3	0	3	6
MAT159	Mathematics I	2	2	3	7	MAT160	Mathematics II	2	2	3	7
BÖT151	Information Technologies in Education I	3	2	4	7	BÖT152	Information technologies in education II	3	2	4	7
Total Credit		**15**	**4**	**17**	**30**	**Total Credit**		**15**	**4**	**17**	**30**

SECOND YEAR											
III. SEMESTER						**IV.SEMESTER**					
Code	**Course Title**	**T**	**P**	**C**	**ECTS**	**Code**	**Course Title**	**T**	**P**	**C**	**ECTS**
FİZ259	Physics 1	3	0	3	5	FİZ260	Physics II	3	0	3	5
EGB255	Principles and Methods of Teaching	3	0	3	5	EGB258	Measurement and Evaluation	3	0	3	5
BÖT251	Programming Languages I	3	2	4	5	BÖT252	Programming Languages II	3	2	4	5
BÖT253	Using and Designing of Materials in Education	2	2	3	5	BÖT254	Instructional Designing	2	2	3	6
BÖT255	Computer Hardware	2	2	3	6	BÖT256	Animation and Graphics In Education	2	2	3	5
SEÇ256	Elective-I (Curriculum Development)	3	0	3	4	SEÇ262	Elective-II (Professional English)	3	0	3	4
Toplam Kredi		**16**	**6**	**19**	**30**	**Toplam Kredi**		**16**	**6**	**19**	**30**

FOURTH YEAR											
V. SEMESTER						**VI. SEMESTER**					
Code	**Course Title**	**T**	**P**	**C**	**ECTS**	**Code**	**Course Title**	**T**	**P**	**C**	**ECTS**
TAR351	History of Science	2	0	2	2	BÖT354	Services to the Society Applications	1	2	2	4
EGB353	Classroom Management	2	0	2	3	EGB364	Turkish Education System and School Management	2	0	2	3
BÖT351	Teaching Methodology (I)	2	2	3	4	BÖT352	Teaching Methodology (II)	2	2	3	3
EGB355	Special Education	2	0	2	3	BÖT356	Multimedia Design and Production	2	2	3	5
BÖT353	Operating Systems and Applications	2	2	3	6	BÖT358	Computer Networks and Communication	2	2	3	5
BÖT355	Internet Based Programming	3	2	4	7	BÖT360	Database Management Systems	2	2	3	5
EGB357	Distance Education	2	2	3	5	SEÇ362	Elective-II (Computer Aided Mat. Inst.)	2	2	3	5
Toplam Kredi		**15**	**8**	**19**	**30**	**Toplam Kredi**		**11**	**10**	**16**	

FOURTH YEAR											
VII. SEMESTER						VIII. SEMESTER					
Code	**Course Title**	**T**	**P**	**C**	**ECTS**	**Code**	**Course Title**	**T**	**P**	**C**	**ECTS**
BÖT451	Scientific Resesarch Methods	2	0	2	4	EGB470	Guidance	3	0	3	6
BÖT453	School Experience	1	4	3	6	BÖT454	Practice Teaching	2	6	5	8
BÖT455	Project Development and Management (I)	2	2	3	6	BÖT456	Project Development and Management II	2	2	3	6
BÖT457	Web Design	2	2	3	6	BÖT460	Elective-VI (Educational Web Design) -II	2	2	3	5
BÖT459	Elective-IV (Computer Statistics appropriate updates)-I	3	0	3	4	BÖT462	Elektive-VII (Communications and Technology)	2	0	2	5
BÖT461	Elective-V (Human Relatıons And Communıcatıon)	2	0	2	4						
Toplam Kredi		**12**	**8**	**16**		**Toplam Kredi**		**11**	**10**	**16**	**30**
		Theoretic	**Application**	**Credit**	**Time**	**ECTS**					
Grand total		113	58	142	171	240					

BÖTE Head of Department
Asst. Assoc. H. Coçkun ÇELİK

I.SEMESTRE

TUR151 Turkish I: Written Expression

Course Code	TUR151
Course Title	Turkish I: Written Expression
Academic Cycle	Bachelor
Year of Study	(1) First
Prerequisites	None
Local Credits	2
ECTS Credits	3
Weekly (Lectures-Practice-Laboratory)	2-0-0
Duration	1 Semester
Semester	1. Semester
Examination	Mid-term exam and final exam, written form
Assessment	Mid-term exam-30%, project-30%, final exam-40%
Description	Developing students listening, reading, thinking, understanding and written expression skills
Course Content	Definition and importance of language; language- culture relations, writing language and its characteristics; external structure and rules in written expression, dictation rules and punctuation marks; plan in writing theme, writing pharagraph; composition concept, rules and plans in writing a composition, composition roof in elected writing, theme, examining the paragraph, correction studies in composition, general expression defeats, thinking and expression of thinking; different writing types (memory, anecdote, story critisizm, novel ect.), formal writings (otobiyography, petition, report, announcement, bibliography, official writings, scientific writings, article ect.), studying on articles introduction, improvement and conclusion parts, writing an article, noting and summarizing methods and techniques.
Learning Objectives	1. Being able to use Turkish language correctly and effectively 2. Having scientific and objective thinking skills 3. Having writing skills fitted with rules 4. Being able to use paragraphs correctly in writing 5. Being able to arrange written notice, bibliyography and report 6. Understanding and expressing thoughts correctly 7. Being able to understand and summarize a book 8. Having notting skills 9. Being able to write a story, poem ect.
Read List	1. Yüksek Öğretim Öğrencileri için Türk Dili ve Kompozisyon Bilgileri (Prof.Dr. Z. Korkmaz, Prof.Dr. Hamza Zülfikar vd.) 2. Different text books related with curriculum

TAR101 History of Turkish Revolution & Principles of M.Kemal Atatürk I

Course Code	TAR101
Course Title	History of Turkish Revolution & Principles of M.Kemal Atatürk I
Academic Cycle	Bachelor
Year of Study	(1) First
Prerequisites	None
Local Credits	2
ECTS Credits	2
Weekly (Lectures-Practice- Laboratory)	2-0-0
Duration	1 Semester
Semester	1. Semester
Examination	Mid-term exam, final exam.
Assessment	Mid-term exam % 40, final exam % 60
Description	The main aim of the course is to encourage the students to adopt the democratic values as the only way of a modern life and to incite them to defend these values. This course allows the students to be sensitive to the revolutionary principles of Atatürk and to induce them to protect the contemprary, secular and democratic values
Course Content	Description of the term "revolution"; major historical events in the Ottoman Empire to the end of World War I; World War I; a general overview of Mustafa Kemal's life; certain associations and their activities; arrival of Mustafa Kemal to Samsun; the congresses, gathering of the last Ottoman Assembly and the proclamation of the "national oath"; opening of the Turkish Grand National Assembly; War of independence to the Victory of Sakarya; Victory of Sakarya; financial sources of the war of independence; grand counter-attack; Armistice of Mudanya; abolution of the Sultanate; Peace Conference of Lausanne.
Learning Objectives	By the end of this module students will be able to: **1.** Utilize their knowledge of social sciences **2.** Analyze, evaluate and interpret historical data **3.** Arrange group works **4.** Get the consciences of professional and ethical responsibility **5.** Establish an effective oral and inscriptive communication **6.** Understand the national and universal impacts of the historical data **7.** Recognize the need for life-long learning and application **8.** Remain up-to-date with professional and contemporary issues **9.** Make scientific researches separately or under the guidance of an advisor
Read List	1. Mustafa Kemal Atatürk, **Nutuk (Söylev)**, C.I-II, T.T.K., Ankara, 1986. 2. **Atatürk'ün Söylev ve Demeçleri**, C.I-V, Ankara, 1983-1987. 3. Niyazi Berkes, **Türkiye'de Çağdaşlaşma**, İstanbul, 1978. 4. Afet A. İnan, **Medeni Bilgiler**, Ankara, 1987. 5. Enver Ziya Karal, **Atatürk ve Devrim (Konferanslar ve Makaleler)**, T.T.K., Ankara, 1980. 6. Enver Ziya Karal, **Atatürk'ten Düşünceler**, M.E.B. Yay., Ankara, 1981. 7. Bernard Lewis, **Modern Türkiye'nin Doğuşu**, Çev.M.Kıratlı, T.T.K.,Ankara, 1970. 8. Ahmet Mumcu, **Tarih Açısından Türk Devriminin Temelleri ve Gelişimi**, Ankara, 1976. 9. **Atatürk İlkeleri ve İnkılap Tarihi**, C.I-II, YÖK Yay., Ankara, 1986-1989.

YD151 Foreign Language I

Course Code	YD151
Course Title	Foreign Language I
Academic Cycle	Bachelor
Year of Study	(1) First
Prerequisites	None
Local Credits	3
ECTS Credits	5
Weekly (Lectures-Practice- Laboratory)	3-0-0
Duration	1 Semester
Semester	1. Semester
Examination	Mid-term exam and final exam, written form
Assessment	Mid-term exam-40%, final exam-60 %
Description	The aim of the course is to enable students to teach basic grammar, speaking, writing, reading and listening knowledge of English.
Course Content	Nouns, adjectives, adverbs and prepositions, basic tenses, active and passive voice, conditionals, modals, gerunds and infinitives, direct and indirect speech forms, sentence structure, vocabulary of English.
Learning Objectives	At the end of the course, the students will be able to 1. use the basic grammar of English, 2. use the target language in classroom, 3. understand and respond dialogues, 4. comprehend reading passages in English, 5. communicate with native speakers, 6. express themselves in written forms.
Read List	1. Walker,E. & Elsworth, S. (2000). **New Grammar Practice for Elementary Students** – Longman : England 2. Walker,E. & Elsworth, S. (2000). **New Grammar Practice for Pre-Intermediate Students** –Longman : England 2. 3. Murphy, R. (1998). **English Grammar in Use**. Cambridge. 4. **Dictionary of Contemporary English**, Longman.

EGB151 Introduction to Science of Education

Course Code	EGB151
Course Title	Introduction to Science of Education
Academic Cycle	Bachelor
Year of Study	(1) First
Prerequisites	None
Local Credits	3
ECTS Credits	6
Weekly (Lectures-Practice- Laboratory)	3-0-0
Duration	1 Semester
Semester	1. Semester
Examination	Mid-term exam and homework, final exam
Assessment	Mid-term exam 40%, final exam 60%
Description	The main object of the course is to introduce methods of educational science, teaching as a profession; practices and developments in teacher training
Course Content	Basic concepts of education, the relationship between education and the other social sciences and it's functions (philosophical, social, legal, physiological economical, and political foundations of education), Historical development of science of education, tendencies of educational sciences in 21.century, research methods in science of education, structure and properties of Turkish National Educational System, the role of instructors in educational system, properties of Teaching Profession, Applications and developments in teacher education.
Learning Objectives	By the end of the course students should be able to: 1. understand the basic principles and characteristics of the teaching profession 2. analyze the teaching profession 3. analyze the social foundations of education 4. analyze the psychological foundations of education 5. analyze the political foundations of education 6. analyze the economical foundations of education 7. analyze the historical foundations of education 8. analyze the Turkish educational system 9. analyze alternative perspectives in education.
Read List	Şişman, Mehmet (2005). **Öğretmenliğe Giriş**. Ankara: Pegema. Demirel, Ö ve Z. Kaya. (2006). **Eğitim Bilimine Giriş**. Ankara: Pegema. Kıroğlu, K. Ve C.Elma (2009). **Eğitim Bilimine Giriş**. Ankara: Pegema. Kıncal, Remzi (2006). **Öğretmenlik Mesleğine Giriş**. Ankara:Nobel

MAT 159 Mathematics I

Course Code	MAT 159
Course Title	Mathematics I
Academic Cycle	Bachelor
Year of Study	(1) First
Prerequisites	None
Local Credits	3
ECTS Credits	7
Weekly (Lectures-Practice- Laboratory)	2-2-0
Duration	1 Semester
Semester	1. Semester
Examination	Mid-term exam and final exam, written form
Assessment	Mid-term exam-40%, final exam-60 %
Description	
Course Content	Basic concepts, sets , numbers, functions, limits, continuity , derivative, applications of derivative , introduction to integral
Learning Objectives	1. To develop an intuitive learning for mathematical methods 2. To be able to work mathematical fields.
Read List	1. Balcı, M. (2003). Genel Matematik, 2.Baskı, Balcı Yayınları,Ankara 2. Cengiz,N. ve ark.(2005). Genel Matematik, 2. Baskı, Pegem A Yayıncılık, Ankara

BÖT151 Information Technologies in Education I

Course Code	BÖT151
Course Title	Information Technologies in Education I
Academic Cycle	Bachelor
Year of Study	(1) First
Prerequisites	None
Local Credits	4
ECTS Credits	7
Weekly (Lectures-Practice-Laboratory)	3-2-0
Duration	1 Semester
Semester	1. Semester
Examination	Mid-term exam, final exam and project , written form.
Assessment	Mid-term exam-30%, project-30%, final exam-40%
Description	The main aim of the course is to introduce basic information Technologies and systems and their use in education.
Course Content	Information systems and introduction computers; data presentation; basic parts of a computer: Cpu, peripherals, memory; microcomputers and operating systems: Dos, Windows; computer programs: Word, spreadsheets; impacts of computers on society; computer security and ethics.
Learning Objectives	By the end of this module students will be able to: 1. Learn information technologies. 2. Understand the role of computers information technologies. 3. Learn the history of data mining. 4. Learn the computer components. 5. Understand the working principle of computer hardware 6. Understand how operating system works. 7. Learn how to use operating system. 8. Understand working principles of applications. 9. Use Microsoft Word application. 10. Use Microsoft Excel application. 11. Use Microsoft Power point application. 12. Learn networking models. 13. Understand client-server communications. 14. Learn internet protocols. 15. Know internet resources and services. 16. Understand the working principles of web pages.
Read List	1. Güneş, A., Çelik,H.C. ve ark.(2007). Bilgisayar I-II Temel Bilgisayar Becerileri, Pegem A Yayıncılık, Ankara. 2. Erkan, K. ve ark. (2003). Temel Bilgi Teknolojisi Kullanımı,1.Baskı, Pegem A Yayıncılık, Ankara. 3. Altun, M. (2002). Matematik Öğretimi Alfa Basın Yayın Dağıtım, İstanbul.

II.SEMESTRE

TUR152 Turkish II : Oral Expression

Course Code	TUR152
Course Title	Turkish II : Oral Expression
Academic Cycle	Bachelor
Year of Study	(1) First
Prerequisites	None
Local Credits	2
ECTS Credits	3
Weekly (Lectures-Practice- Laboratory)	2-0-0
Duration	1 Semester
Semester	2. Semester
Examination	Mid-term exam and final exam, written form
Assessment	Mid-term exam-30%, project-20%, final exam-50 %
Description	Developing students listening, reading, thinking, understanding and written expression skills
Course Content	Expression, Oral expression, Listening, Parts of listening, Writings having the value of thinking (essay, criticizm, anectode, novel, poem), Speakings, Prepared speakings(confrence),Unprepared speakings(conversation an telephone)
Learning Objectives	1. To read and comprehend a passage 2. To criticize a passage 3. To listen, to read, to develop the comprehension 4. To win skills and habits on effective and accurate, well ararnged, writing and speaking
Read List	1. Prof. Dr. Enise Kantemir, Yazılı ve Sözlü Anlatım 2. Prof. Dr. Cavit Kavcar, Dr. Ferhan Oğuzkan, Özlem Aksoy, Yazılı ve Sözlü Anlatım 3. Prof. Dr. Zeynep Korkmaz, Prof. Dr. Ahmet B. Ercilasun, Prof. Dr. Hazma Zülfikar, 4. Prof. Dr. İsmail Parlatır, Prof. Dr. Mehmet Akalın, Prof. Dr Tuncer Gülensoy, 5. Prof. Dr Necat Birinci, Türk Dili ve Kompozisyon Bilgileri

TAR102 History of Turkish Revolution & Principles of M.Kemal Atatürk II

Course Code	TAR102
Course Title	History of Turkish Revolution & Principles of M.Kemal Atatürk II
Academic Cycle	Bachelor
Year of Study	(1) First
Prerequisites	None
Local Credits	2
ECTS Credits	2
Weekly (Lectures-Practice- Laboratory)	2-0-0
Duration	1 Semester
Semester	2. Semester
Examination	Mid-term exam, final exam.
Assessment	Mid-term exam % 40, final exam % 60
Description	The main aim of the course is to encourage the students to adopt the democratic values as the only way of a modern life and to incite them to defend these values
Course Content	This course allows the students to be sensitive to the revolutionary principles of Atatürk and to induce them to protect the contemprary, secular and democratic values. The course content covers such topics as the proclamation of the Republic, Abolution of the Chaliphate, the Constitution of 1924, Attempts of multi-party administration, Sheikh Said Uprising, Other Reactions against the Republic, Menemen Incident, reforms in various fields
Learning Objectives	By the end of this module students will be able to: **1.** Utilize their knowledge of social sciences **2.** Analyze, evaluate and interpret historical data **3.** Arrange group works **4.** Get the consciences of professional and ethical responsibility **5.** Establish an effective oral and inscriptive communication **6.** Understand the national and universal impacts of the historical data **7.** Recognize the need for life-long learning and application **8.** Remain up-to-date with professional and contemporary issues **9.** Make scientific researches separately or under the guidance of an advisor
Read List	1. Mustafa Kemal Atatürk, **Nutuk (Söylev)**, C.I-II, T.T.K., Ankara, 1986. 2. **Atatürk'ün Söylev ve Demeçleri**, C.I-V, Ankara, 1983-1987. 3. Niyazi Berkes, **Türkiye'de Çağdaşlaşma**, İstanb. ul, 1978. 4. Afet A. İnan, **Medeni Bilgiler**, Ankara, 1987. 5. Enver Ziya Karal, **Atatürk ve Devrim (Konferanslar ve Makaleler)**, T.T.K., Ankara, 1980. 6. Enver Ziya Karal, **Atatürk'ten Düşünceler**, M.E.B. Yay., Ankara, 1981. 7. Bernard Lewis, **Modern Türkiye'nin Doğuşu**, Çev.M.Kıratlı, T.T.K.,Ankara, 1970. 8. Ahmet Mumcu, **Tarih Açısından Türk Devriminin Temelleri ve Gelişimi**, Ankara, 1976. 9. **Atatürk İlkeleri ve İnkılap Tarihi**, C.I-II, YÖK Yay., Ankara, 1986-1989

YD152 Foreign Language II

Course Code	YD152
Course Title	Foreign Language II
Academic Cycle	Bachelor
Year of Study	(1) First
Prerequisites	None
Local Credits	3
ECTS Credits	5
Weekly (Lectures-Practice- Laboratory)	3-0-0
Duration	1 Semester
Semester	2. Semester
Examination	Mid-term exam and final exam, written form
Assessment	Mid-term exam-40%, final exam-60 %
Description	The aim of the course is to enable students to teach basic grammar, speaking, writing, reading and listening knowledge of English
Course Content	The content of the course is as in the following; Nouns, adjectives, adverbs and prepositions, basic tenses, active and passive voice, conditionals, modals, gerunds and infinitives, direct and indirect speech forms, sentence structure, vocabulary of English.
Learning Objectives	At the end of the course, the students will be able to 1. use the basic grammar of English, 2. use the target language in classroom, 3. understand and respond dialogues, 4. comprehend reading passages in English, 5. communicate with native speakers, 6. express themselves in written forms.
Read List	1. Walker,E. & Elsworth, S. (2000). **New Grammar Practice for Elementary Students** –Longman : England 2. Walker,E. & Elsworth, S. (2000). **New Grammar Practice for Pre-Intermediate Students** –Longman : England 2. 3. Murphy, R. (1998). **English Grammar in Use**. Cambridge. 4. **Dictionary of Contemporary English**, Longman.

EGB152 Educational Psychology

Course Code	EGB152
Course Title	Educational Psychology
Academic Cycle	Bachelor
Year of Study	First
Prerequisites	None
Local Credits	3
ECTS Credits	6
Weekly (Lectures-Practice- Laboratory)	3-0-0
Duration	1 semester
Semester	2. Semester
Examination	Mid-term exam and project, final exam
Assessment	Mid-term exam 35%, project 15%, final exam 50%
Description	The main object of the course is to know the concepts that related with education and psychology. To know development in preschool, primary school and high school level. Learning and teaching process,
Course Content	Education-Psychology relation, definition of Educational Psychology and it's functions, basic concepts related to psychology learning and development, developmental properties (physical, cognitive, emotional, social and ethical development), theory of learning, reflection of theory of learning to teaching process, effective learning, factors that effect learning, (motivation, individual factors, group dynamics and the effect of these factors on classroom teaching process.
Learning Objectives	By the end of the course students should be able to: 1. To know the concepts that related with education and psychology. 2. To know cognitive, social, physical, moral development 3. To differantiate the personal differences in learning and how learning is seen. 4. To know learning theories, learning process, personal differences in learning.
Read List	1. Yeşilyaprak B. (2002)Educational Psychology. Ankara: Nobel Yayın. 2. Erden,M. ve Akman,Y.(1997) Educational Psychology. Ankara: Arkadaş Yayınevi. 3. Aydın, A. (2000) Developmantal Psychology and Learning. İstanbul: Alfa Yayıncılık. 4. Bacanlı, H. (2003) Developmantal Psychology and Learning. Ankara: Nobel Yayıncılık. 5. Senemoğlu, Nuray (1997). Developmantal Psychologyand Learning Burdur: Ertem Matbaacılık. 6. Yavuzer, H. (2000). Child Psychology. İstanbul: Remzi Kitabevi.

MAT160 Mathematics II

Course Code	MAT160
Course Title	Mathematics II
Academic Cycle	Bachelor
Year of Study	(1) First
Prerequisites	None
Local Credits	3
ECTS Credits	7
Weekly (Lectures-Practice- Laboratory)	2-2-0
Duration	1 Semester
Semester	2. Semester
Examination	Mid-term exam and final exam, written form
Assessment	Mid-term exam-40%, final exam-60 %
Description	
Course Content	Topics in discrete math aimed at applications in Computer Science. Fundamental principles: set theory, induction, relations, functions, Boolean algebra. Techniques of counting: permutations, combinations, recurrences, algorithms to generate them. Introduction to graphs and trees.
Learning Objectives	1.To expose students to mathematical topics used in the computer sciences. To prepare the student for deductive reasoning needed for computer programming 2. This course is intended for Computer Science students and as a general mathematics elective for other students. Topics include logic, sets, relations, functions, recursion, mathematical induction, graphs and digraphs equivalence relations, series and sequences.
Read List	1. Rosen, K. H. (1998). Discrete Mathematics And Its Applications. New York: McGraw-Hill 2. Grimaldi, R. P. (1999) Discrete and Combinatorial Mathematics : An Applied Introduction. Massachusetts: Addison-Wesley

BÖT152 Information technologies in education II

Course Code	BÖT152
Course Title	Information technologies in education II
Academic Cycle	Bachelor
Year of Study	(1) First
Prerequisites	None
Local Credits	4
ECTS Credits	7
Weekly (Lectures-Practice- Laboratory)	3-2-0
Duration	1 Semester
Semester	2. Semester
Examination	Mid-term exam, final exam and project, written form
Assessment	Mid-term exam-30%, project-30%, final exam-40%
Description	The main aim of the course is to learn basic information technologies and systems. To learn basic information technologies and systems and their use in education.
Course Content	Telecommunications and information networks. Internet. Structure of data and databases. Programming languages and program designs. Fundamentals and control mechanisms of programming. Usage of computers in education and at school settings. Database applications: The aims of database applications, Introduction to Microsoft Access database; Basic concepts; Application window
Learning Objectives	By the end of this module students will be able to: 1. Learn information technologies. 2. Understand the role of computers information technologies. 3. Learn the history of data mining. 4. Learn the computer components. 5. Understand the working principle of computer hardware 6. Understand how operating system works. 7. Learn how to use operating system. 8. Understand working principles of applications. 9. Use Microsoft Access application. 10. Know database and information 11. Understand the working principles of web pages.
Read List	1. **İhsan karagülle (2001)** Ofis 2003 2. **Mithat Uysal (2000)** Visual Basic 3. **Akkoyunlu, B**. (2002). Öğretmenler ve Öğretmen adayları için Eğitimde İnternet kullanımı. İstanbul: BİTAV 4. **Courter, G**., **& Marquis, A.(1998)**. Bilgisayar Öğrenim Kılavuzu. İstanbul: Alfa 5. **Kalbag, A. (1997).** Dünyayı Saran Ağ: WWW. Ankara: TÜBİTAK 6. **Doherty, G.(1998).** Bilgisayarda 101 Proje. Ankara: TÜBİTAK 7. **Kalbag, A. (1998).** Bilgisayardaki Adresiniz: Web sitesi. Ankara: TÜBİTAK 8. **Stephens, M.,& Treays, R.(1998)**.Bilgisayarlar. Ankara: TÜBİTAK 9. **Wallace, M**. **& Wingate, P.(2000)**. E-posta. Ankara: TÜBİTAK 10. **Wingate, P.(1997)**. İnternet. Ankara: TÜBİTAK

III.SEMESTE

FİZ259 Physics 1

Course Code	FİZ259
Course Title	Physics 1
Academic Cycle	Bachelor
Year of Study	(2) Second
Prerequisites	None
Local Credits	3
ECTS Credits	5
Weekly (Lectures-Practice- Laboratory)	3-0-0
Duration	1 Semester
Semester	3. Semester
Examination	One mid-term exam and end-of-term exam
Assessment	Mid-term exam-40% each, end of term exam-60%
Description	The main object of the course is to provide a basic understanding of Newtonian mechanics and conservation laws.
Course Content	Content of the course is as follows: Measurement; vectors; motion along a straight line; motion in two and three dimensions; force and motion I; force and motion II; kinetic energy and work; conservation of energy; center of mass and linear momentum; rotation; rolling, torque and angular momentum; equilibrium and elasticity; gravitation; oscillations.
Learning Objectives	By the end of this module students will be able to: 1. Understand vector and scalar quantities. 2. Identify, formulate, and solve problems analytically that appear in physical systems. 3. Analyze and resolve natural phenomenon. 4. Associate the gained knowledge, analyze and interpret data. 5. Apply and link the gained knowledge of natural sciences to interdisciplinary fields. 6. Correlate and apply gained knowledge directly with technology and industry. 7. Use techniques and skills necessary for engineering practice.
Read List	1. **Halliday, D. , Resnick, R., & Walker, J. (2006) 6th ed.** Fundamentals of Physics. New York: John Wiley & Sons, Inc. 2. **Serway, R.A. (1990).** Physics for Scientists and Engineers. Philadelphia: Saunders College Publishing. 3. **Ohanian, H.C. (1989).** Physics. New York: W.W. Norton & Compony, Inc. 4. **Fishbane, P.M., Gasiorowicz, S., & Thornton, S.T. (1996).** Physics for Scientists and Engineers. Prentice Hall, Inc.

EGB255 Principles and Methods of Teaching

Course Code	EGB255
Course Title	Principles and Methods of Teaching
Academic Cycle	Bachelor
Year of Study	Second
Prerequisites	None
Local Credits	3
ECTS Credits	5
Weekly (Lectures-Practice- Laboratory)	3-0-0
Duration	1 semester
Semester	3. Semester
Examination	One mid-term exam and final exam
Assessment	Mid-term exam-40%, final exam-60%
Description	
Course Content	Basic concepts related to teaching, principles of learning and teaching, importance and benefits of planned study in teaching, planning of teaching (unit annual plan, daily plan and samples of activity), strategies of learning and teaching, teaching techniques and methods and their relation with practice, teaching tools and materials, duty and responsibility of teacher to improve the quality of teaching training, proficiency of teacher
Learning Objectives	
Read List	

BÖT251 Programming Languages I

Course Code	BÖT251
Course Title	Programming Languages I
Academic Cycle	Bachelor
Year of Study	(2) Second
Prerequisites	None
Local Credits	4
ECTS Credits	5
Weekly (Lectures-Practice- Laboratory)	3-2-0
Duration	1 Semester
Semester	3. Semester
Examination	Mid-term exam, final exam and project, written form.
Assessment	Mid-term exam-30%, Homework-30%, final exam-40%
Description	The main aim of the course is to learn basic programming concepts and programming structure. To learn computer algorithms and implementation of computer algorithms. To learn data types, data structures, functions, subroutines and control statements in programming. To learn how to develop computer applications.
Course Content	To learn basis of .NET structure, introduction to Visual Basic .NET programming.
Learning Objectives	By the end of this module students will be able to: 1. Understand data and difference between data types. 2. Understand and Manage memory model 3. Learn how to use conditions, loops and other control statements in a program. 4. Learn how to include pre-defined functions into program. 5. Learn how to develop and use functions. 6. Understand programs and programming language concepts. 7. Understand and develop Consol applications in VB.NET 8. Understand how to write file input-output (I/O) based programs. 9. Learn the basis of windows based application 10. Learn and implement class, namespace and how to use in application development.
Read List	1. **Nihat DEMİRLİ & Yüksel İNAN**, "Visual Basic.NET 2003", Prestige Yayınları 2003 2. **Zeydin PALA**., "Visual Basic.NET", Türkmen Kitabevi, İstanbul 2003 3. **MSDN Training**, "Programming With Microsoft Visual Basic.NET", Microsoft

BÖT253 Using and Designing of Materials in Education

Course Code	BÖT253
Course Title	Using and Designing of Materials in Education
Academic Cycle	Bachelor
Year of Study	(2) Second
Prerequisites	None
Local Credits	3
ECTS Credits	5
Weekly (Lectures-Practice- Laboratory)	2-2-0
Duration	1 Semester
Semester	3. Semester
Examination	Mid-term exam, final exam and project, written form.
Assessment	Mid-term exam-30%, Homework-30%, final exam-40%
Description	
Course Content	
Learning Objectives	
Read List	

BÖT255 Computer Hardware

Course Title	Computer Hardware
Course Code	BÖT255
Type of Course	Required
Level of Course	First Cycle
Semester	Fall Semester
Number of National Credit	3
Number of ECTS	6
Name of Lecturer	Mehmet Albayrak
Learning Outcomes	Information about computer hardware and solve the problems
Prerequisites	-
Made of Delivery	Face to Face
Work Placements	NA
Recommended Optional Programme Components	NA
Course Content	

Week	Topics
1	İntroduction about hardware, Power suply
2	Mainboard
3	CPU
4	Memories
5	Disks
6	Graphic cards & others
7	Screens & Printers
8	Keyboards & Mouses
9	BİOS
10	Application
11	Application
12	Problems of hardware and solutions
13	Problems of hardware and solutions
14	Problems of hardware and solutions

SEÇ256 Elective-I (Curriculum Development)

Course Code	SEÇ256
Course Title	Elective-I (Curriculum Development)
Academic Cycle	Bachelor
Year of Study	2. Class
Prerequisites	None
Local Credits	3
ECTS Credits	4
Weekly (Lectures-Practice- Laboratory)	3-0-0

IV.SEMESTRE

EGB258 Measurement and Evaluation

Course Code	EGB258
Course Title	Measurement and Evaluation
Academic Cycle	Bachelor
Year of Study	Third
Prerequisites	None
Local Credits	3
ECTS Credits	5
Weekly (Lectures-Practice- Laboratory)	3-0-0
Duration	1 semester
Semester	4. Semester
Examination	One mid-term exam, final exam
Assessment	Mid-term exam-40%, final exam-60%
Description	
Course Content	Place and importance of measurement and evaluation in education, basic concepts related to measurement and evaluation, quality of measurement equipment (safety, validity, usefulness), measurement equipment used in education and their properties, equipment based on traditional approaches (written exam, quiz, right –wrong testing, multiple choice testing , oral exam, home works), the techniques to know the students profile (observation, conversation, performance evaluation, student product file, research papers, research projects, coequal evaluation, self evaluation, attitude scales), basic statistical calculation on measurement results, evaluation of learning output, grade, development of measurement tools related to his/her field.
Learning Objectives	

BÖT252 Programming Languages II

Course Code	BÖT252
Course Title	Programming Languages II
Academic Cycle	Bachelor
Year of Study	(2) Second
Prerequisites	None
Local Credits	4
ECTS Credits	5
Weekly (Lectures-Practice- Laboratory)	3-2-0
Duration	1 Semester
Semester	4. Semester
Examination	Mid-term exam, final exam and project, written form.
Assessment	Mid-term exam-30%, Homework-30%, final exam-40%
Description	The main aim of the course is to learn basics of programming in the VB.NET language.
Course Content	what the .NET Common Language Runtime is and how it works, how to use many of the .NET framework classes, how to use ADO.NET to access relational databases.
Learning Objectives	By the end of this module students will be able to: 1. Creating applications with Web Forms 2. Learn how to use Microsoft Visual Basic IDE 3. Learn toolbox objects and how to use in projects 4. Learn projects, modules, class and implement in application. 5. Learn how to use graphic tools (GDI+) in VB.NET 6. Learn the basic concept of object oriented programming 7. Learn Databases and Data Access with ADO.NET. 8. Learn how to create database, tables, queries in MS Access and SQL server databases
Read List	1. **Nihat DEMİRLİ & Yüksel İNAN**, "Visual Basic.NET 2003", Prestige Yayınları 2003 2. **Zeydin PALA.**, "Visual Basic.NET", Türkmen Kitabevi, İstanbul 2003 3. **MSDN Training**, "Programming With Microsoft Visual Basic.NET", Microsoft 4. MSDN CD'leri 5. **Memik YANIK**, "Microsoft Visual Basic.NET", Seçkin Yayınları 2004 6. **Yeliz Korkmaz**, "Visaul Basic.NET", Pusula 2004 7. **Roman,R., Petrusha,R., Lomax,P.,** "VB.NET Language in a Nutshell", O'Reilly 2001

BÖT254 Instructional Designing

Course Code	BÖT254
Course Title	Instructional Designing
Academic Cycle	Bachelor
Year of Study	(2) Second
Prerequisites	None
Local Credits	3
ECTS Credits	6
Weekly (Lectures-Practice- Laboratory)	2-2-0
Duration	1 Semester
Semester	4. Semester
Examination	Mid-term exam and final exam, written form
Assessment	Mid-term exam -40%, and preparation materials -60%
Description	Various features of Instructional Technology the location and use of teaching process development of teaching materials (worksheets, transparencies, slides, video, computer-based instructional material) development and evaluation of materials in various qualities.
Course Content	Some concepts related to instructional technology; properties of different instructional technology, place and using of instructional technology in teaching process, the determination of technological needs of school or classrooms, making of suitable technology plan and its practice, material development via instructional technology, the development of teaching tools (work sheets, activity design, overhead transparent, slides, visual aids (VCD, DVD, computer based tools), examination of educational software, evaluation of teaching tool with different quality, Internet and distance learning, principle of visual design, the investigation of activities of teaching materials, the using of teaching materials in Turkiye and on the world
Learning Objectives	By the end of this module students will be able to: **1.** Basic concepts of the teaching technology and improve of material **2.** Basic necessity for the teaching technology and improve of material **3.** Dimension of teaching technology **4.** New forms of teaching technology **5.** Basic principle and philosophy of education technology **6.** Basic principle and philosophy of new technology **7.** Theoretical principles of the learning and teaching process **8.** Teaching exercise based on technology **9.** To improve material **10.** To use material **11.** To prepare of learning and teaching situation in primary education **12.** Quality of teacher in use of technology **13.** To prepare of learning and teaching situation in primary education **14.** Evaluating of material and tecnologys.
Read List	1. Özcan, Demirel, Esed Yağcı, Sadi Seferoğlu (1998). Öğretim Teknolojileri ve Materyal Geliştirme. Pegem Yayıncılık. 2. Çilenti, Kamuran (1998). Eğitim Teknolojileri ve Öğretim. Ankara: Pegem Yayıncılık. 3. Alkan, Cevat (1998). Eğitim Teknolojileri. Ankara: Pegem Yayıncılık.

BÖT256 Animation and Graphics In Education

Course Code	BÖT256
Course Title	Animation and Graphics In Education
Academic Cycle	Bachelor
Year of Study	(2) Second
Prerequisites	None
Local Credits	3
ECTS Credits	5
Weekly (Lectures-Practice- Laboratory)	2-2-0
Duration	1 Semester
Semester	4. Semester
Examination	Mid-term exam, final exam and project, written form.
Assessment	Mid-term exam-30%, Homework-30%, final exam-40%
Description	The main aim of the course is to learn animation techniques.
Course Content	what the Flash, tweening, layering and masking is and how it works.
Learning Objectives	
Read List	1. **Nihat DEMİRLİ & Yüksel İNAN**, "Visual Basic.NET 2003", Prestige Yayınları 2003 2. **Zeydin PALA.**, "Visual Basic.NET", Türkmen Kitabevi, İstanbul 2003 3. **MSDN Training**, "Programming With Microsoft Visual Basic.NET", Microsoft 4. MSDN CD'leri 5. **Memik YANIK**, "Microsoft Visual Basic.NET", Seçkin Yayınları 2004 6. **Yeliz Korkmaz**, "Visaul Basic.NET", Pusula 2004

FİZ260 Physics II

Course Code	FİZ260
Course Title	Physics II
Academic Cycle	Bachelor
Year of Study	(2) Second
Prerequisites	None
Local Credits	3
ECTS Credits	5
Weekly (Lectures-Practice- Laboratory)	3-0-0
Duration	1 Semester
Semester	4. Semester
Examination	One mid-term exam and end-of-term exam.
Assessment	Mid-term exam-40% each, end of term exam-60%
Description	The main object of the course is to introduce fundamental concepts and principles related to the electricity and magnetism and provide an understanding of these principles with applications from the real world.
Course Content	Electric charge; electric fields; Gauss' Law; electric potential; capacitance and dielectrics; current and resistance; electromotive force and circuits; magnetic field; Ampere's Law; Faraday's Law; inductance; electromagnetic oscillations; alternating current; Maxwell's equations.
Learning Objectives	By the end of this module students will be able to: 1. Know fundamental concepts and principles related to the electricity and magnetism. 2. Identify, formulate, and solve problems analytically that appear in physical systems. 3. Analyze and resolve natural phenomenon. 4. Associate the gained knowledge, analyze and interpret data. 5. Apply and link the gained knowledge of natural sciences to interdisciplinary fields. 6. Correlate and apply gained knowledge directly with technology and industry. 7. Use techniques and skills necessary for engineering practice.
Read List	1. **Halliday, D. , Resnick, R., & Walker, J. (2006) 6th ed.** Fundamentals of Physics. New York: John Wiley & Sons, Inc. 2. **Serway, R.A. (1990).** Physics for Scientists and Engineers. Philadelphia: Saunders College Publishing. 3. **Ohanian, H.C. (1989).** Physics. New York: W.W. Norton & Compony, Inc. 4. **Fishbane, P.M., Gasiorowicz, S., & Thornton, S.T. (1996).** Physics for Scientists and Engineers. Prentice Hall, Inc. 5. Any equivalent book

SEÇ262 Elective-II (Professional English)

Course Code	SEÇ262
Course Title	Elective-I (Professional English)
Academic Cycle	Bachelor
Year of Study	2. Class
Prerequisites	None
Local Credits	3
ECTS Credits	4
Weekly (Lectures-Practice- Laboratory)	3-0-0

V.SEMESTRE

TAR351 History of Science

	History of Science	
Course Code	TAR351	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Fall Semester	
Number of National Credit	2	
Number of ECTS	2	
Learning Outcomes	To understand the basic concepts and subjects in Science History. To understand the historical changes and evolution of science history. Under the light of science classification and science logic; the constitution of public corelated with science. The introduction of prominent science masters.	
Prerequisites	None	
Made of Delivery	Face to Face	
Course Content	Week	Topics
	1	Science and information in preantique ages
	2	Science in antique age
	3	Science in Middle Ages' Western World
	4	Science in Islamic Middle Ages
	5	Science in the 17th century
	6	Science and technology in the 18th century
	7	Midterm exam
	8	Science in the 19th century
	9	Science in the 20th century
	10	Science and Technological developments in the 20th century
	11	Historical development of science
	12	Logic of science and the classification of science
	13	The introduction of the greatest science women and men
Recommended Readings	Ural, Şafak; Bilim Tarihi. Yıldırım, Cemal; Bilim Tarihi	

EGB353 Classroom Management

	Classroom Management	
Course Code	EGB353	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Fall Semester	
Number of National Credit	2	
Number of ECTS	3	
Learning Outcomes	Student-teacher conceives classroom management, knows objective and importance of management. He/she conceives the influence of arrangement. He/she conceives how to manage disordered behaviors and manage classroom scientifically. He/she knows how to deal with problematic students	
Prerequisites	None	
Made of Delivery	Face to Face	
Course Content	Week	Topics
	1	Classroom management, principles and models
	2	Classroom management, principles and models
	3	Communication and İnteraction in Classroom
	4	Other settings and different properties of Classroom Management
	5	The factors of effecting classrooms and models of classroom management
	6	Developing and applying rules in classroom
	7	Arrangement the physiological setting of classroom
	8	Management of undesired behaviours in classrom
	9	Time management in Classroom.
	10	Organization in classroom
	11	Create an appropriate environment for learning.
	12	Create an appropriate environment for learning.
	13	Create an appropriate environment for learning
	14	Create an appropriate environment for learning
Recommended Readings	1-Balay, Refik. “2000’li Yıllarda Sınıf Yönetimi”, Sandal Yay., Ankara:2003. 2-Başar, Hüseyin. “Sınıf Yönetimi”, Anı Yay. Ankara:2003. 3-Celep, Cevat.“Sınıf Yönetimi ve Disiplini”, Anı Yay. Ankara: 2002.	
Teaching Methods		
Language of Instruction	Turkish	

BÖT351 Teaching Methodology (I)

	Teaching Methodology (I)	
Course Code	BÖT351	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Fall Semester	
Number of National Credit	3	
Number of ECTS	4	
Learning Outcomes	1.Explain teaching and learning theories, strategies and methods 2.Explain individual differences 3.Plan, apply and evaluate the instruction according to a theory, strategy or method.	
Prerequisites	-------	
Made of Delivery	Face to Face	
Course Content	Week	Topics
	1	Behaviorist and Cognitive Learning Theories
	2	Constructivist Learning Theories
	3	Design of Teaching and Learning
	4	Strategies, Methods and Techniques
	5	Individual Differences and Learning Style
	6	Motivation and Learning Strategies
	7	Midterm
	8	Planning Instruction
	9	Gardner’s Multiple Intelligence
	10	Gagne's Conditional Learning
	11	Collaborative Learning
	12	Situated Learning
	13	Problem Based Learning
	14	Final
Recommended Readings	1. Alkan, C. & Kurt, M. (1998). Özel Öğretim Yöntemleri: Disiplinlerin Öğretim Teknolojisi. Ankara: ANI Yayıncılık. 2. Küçükahmet, L. (2002). Öğretimde Planlama Ve Değerlendirme. Ankara: Nobel Yay. 3.Küçükahmet, L. (2002). Öğretim İlke Ve Yöntemleri. Ankara: Nobel Yay.	
Teaching Methods	Lecture method, Question-Respond Method, Cooperative Learning Method. Discussion, Brain Storming	
Language of Instruction	Turkish	

EGB355 Special Education

	Special Education	
Course Code	EGB355	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Fall Semester	
Number of National Credit	2	
Number of ECTS	3	
Learning Outcomes	They explain the concepts of special education. They know what kind of diagnosis process students having disabilities undergo in Turkey. They arrange the required classroom environment by diagnosing the students having any kind of disabilities.	
Prerequisites	-	
Made of Delivery	Face to Face	
Course Content	Week	Topics
	1	Introduction of the contents sources of the course
	2	Basic definitions and explanations of the terms Special Education and exceptional child.
	3	Visually impaired children ,diagnosis, the things teacher must do in educational environments.
	4	Hearing-impaired children ,diagnosis, the things teacher must do in educational environments.
	5	Insufficient physical and chronic illness children ,diagnosis, the things teacher must do in educational environments.
	6	Children with language and speech disorder ,diagnosis, the things teacher must do in educational environments.
	7	Gifted children ,diagnosis, the things teacher must do in educational environments.
	8	Gifted children ,diagnosis, the things teacher must do in educational environments.
	9	Children with mental deficiency ,diagnosis, the things teacher must do in educational environments.
	10	Children with mental deficiency ,diagnosis, the things teacher must do in educational environments.
	11	Children with learning powerfulness ,diagnosis, the things teacher must do in educational environments.
	12	Feelings and behavior disorder children, diagnosis, the things teacher must do in educational environments.
	13	Feelings and behavior disorder children, diagnosis, the things teacher must do in educational environments.
	14	Classroom management in special education
Recommended Readings	Ataman A. (2003). Özel gereksinimli çocuklar ve özel eğitime giriş. Gündüz Eğitim Yayıncılık; Aral, N. Gürsel, F. (2007) Özel eğitim gerektiren çocuklar ve özel eğitime giriş. Özsoy, Y. Eripek, S. (1994). Özel Eğitme Giriş. Karatepe Yayınları. Özel eğitime giriş. Anadolu Üniversitesi Yayınları.	
Teaching Methods	Expository teaching,Question-Answer, Demonstration, Dramatization, Cooperative Learning.	
Language of Instruction	Turkish / English	

BÖT353 Operating Systems and Applications

	Operating Systems and Applications	
Course Code	BÖT353	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Fall Semester	
Number of National Credit	3	
Number of ECTS	6	
Learning Outcomes	Defining of the basic concepts concerning with the operating systems and comprehending the general working principles, understanding the general properties of the file systems (FAT/NTFS/EXT/REISER etc.), Recognizing and installing the operating systems Windows and Linux, and effective usage of these systems. Instructional purposed usage of the operating systems	
Prerequisites	-	
Made of Delivery	Face to Face	
Course Content	Week	Topics
	1	Properties of operating systems
	2	Microsoft Windows
	3	File Systems
	4	Network Management
	5	Windows Vista &Setups
	6	New Applications in Win vista
	7	Windows Vista AERO
	8	Winvare & Virtual Machines
	9	Linux Pardus
	10	Linux Setups
	11	File systems & Security
	12	Samba
	13	KDE & GNOME
	14	KDE & GNOME
Recommended Readings	-	
Teaching Methods		
Language of Instruction	Turkish	

BÖT355 Internet Based Programming

	Internet Based Programming	
Course Code	BÖT355	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Fall Semester	
Number of National Credit	4	
Number of ECTS	7	
Learning Outcomes	Students will learn to integrate images, sound, and other multimedia using Dreamweaver. This course covers navigation bars, formatting text styles, cascading style sheets, and content management. Upon completing this course, students will be ready to 1.plan, 2.build, 3.upload, and 4. maintain a professional Web site.	
Prerequisites		
Made of Delivery	Face to Face	
Course Content	Week	Topics
	1	About HTML
	2	Principlers of Web Designs
	3	HTML Tags
	4	HTML Tags
	5	About Dreamweaver
	6	Working with Text and Graphics & Working with Links , Pictures,
	7	Site Map, Picture Album
	8	Working with Tables
	9	Collecting Data with Forms
	10	Adding Multimedia Elements
	11	Using Styles and Style Sheets
	12	Creating CSS
	13	Java Scripts, Dynamic HTML
	14	Java Scripts, Dynamic HTML
Recommended Readings		
Teaching Methods		
Language of Instruction	Turkish	

BÖT357 Distance Education

	Distance Education	
Course Code	BÖT357	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Fall Semester	
Number of National Credit	3	
Number of ECTS	5	
Learning Outcomes	• To acknowledge distance education basic concepts • To explain distance education theories • To explain technologies used in distance education • To explain the instructional design phases in distance education • To explain applications of distance education in Turkiye and in the world	
Prerequisites		
Made of Delivery	Face to Face	
Course Content	Week	Topics
	1	Basic concepts
	2	Historical development
	3	Possibilities of distance education
	4	Distance education technologies and environments
	5	Instructional design
	6	The role of instructor and teaching, Distance student
	7	The role of instructor and teaching, Distance student
	8	Internet and distance education Administration and politics Distance education theories
	9	Distance education applications in Turkiye and in the world,
	10	Evaluating distance education and learning
	11	New approaches to distance education and general evaluation of the semester
	12	Moodle
	13	Moodle
	14	Moodle
Language of Instruction	Turkish	

VI.SEMESTRE

BÖT354 SERVİCES TO THE SOCİETY APPLİCATİONS

	Services to the Society Applications	
Course Code	BÖT354	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Spring Semester	
Number of National Credit	2	
Number of ECTS	4	
Learning Outcomes	To prepare social Project towards families in poverty, To examine domestic violence To determine basic social problems in society	
Prerequisites	-	
Made of Delivery	Face to Face	
Course Content	Week	Topics
	1	The development of the social services
	2	Families in poverty, social insurance, social assistance, the development of the health services.
	3	Individualising the social services
	4	Social work in the social services
	5	Advice for the citizen
	6	Social services for children and young people
	7	Mid-term Exams
	8	The welfare of mothers and young children
	9	The health and welfare of the school child
	10	Provisions for the treatment of handicapped children
	11	The young worker
	12	The welfare of old people, the mental health services
	13	Settlements and community centres.
	14	Final Exams
Recommended Readings	Hall, M.P. (1952). The Social Services of Modern England. London: Routledge Kamerman, S.B. & Kahn, A. J. (1976). Social Services in the United States. Michigan University Press. Mokuau, N. (1991). Handbook of social Services for Asian and Pacific Islanders.	
Teaching Methods	Cooperative Learning, Multiple Intelligence, Brain Storming, Brain Compatiple Learning, Role Playing, Case Study	
Language of Instruction	Turkish	

EGB364 Turkish Education System and School Management

	Turkish Education System and School Management	
Course Code	EGB364	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Spring Semester	
Number of National Credit	2	
Number of ECTS	3	
Learning Outcomes	Knowing Ministry of National Education and organizational structure	
Prerequisites	No	
Made of Delivery	Face to Face	
Course Content	Week	Topics
	1	Aims and basic principles of Turkish Education System,
	2	Legal regulations related to education
	3	Structure and processing of Turkish education system.
	4	Theories and processes of administration
	5	Theories and processes of administration(Planning)
	6	Theories and processes of administration (Organize)
	7	Theories and processes of administration(Communication)
	8	Theories and processes of administration (Coordination, Motivate)
	9	Theories and processes of administration (Supervision)
	10	School as an organization and administration of school
	11	Management of tasks related with staff
	12	Management of tasks related with student
	13	Management of tasks related with school environment
	14	Social contribution to school.
Recommended Readings	Şişman, M.ve Taşdemir, İ. (2008)Turkish education system and school management. Başaran, İ. E. (2006), Yönetim, Ankara.	
Teaching Methods	straight narrative method, question and answer method	
Language of Instruction	Turkish	

BÖT352 Teaching Methodology (II)

	Teaching Methodology (II)
Course Code	BÖT352
Type of Course	Required
Level of Course	First Cycle
Semester	Spring Semester
Number of National Credit	3
Number of ECTS	3

BÖT356 Multimedia Design and Production

	Multimedia Design and Production	
Course Code	BÖT356	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Spring Semester	
Number of National Credit	3	
Number of ECTS	5	
Learning Outcomes	General concepts related to authoring languages. Comprehension and application of algorithm needed for authoring languages Comprehension and application of authoring languages and script relationships Synthesis of an educational software	
Prerequisites	-	
Made of Delivery	Face to Face	
Work Placements	-	
Recommended Optional Programme Components	-	
Course Content	Week	Topics
	1	Definition of CAI - courseware
	2	Authoring languages - Authoring systems
	3	Standards for courseware – instructional interface design – Introduction to the Macromedia
	4	Authorware, Adding motion and sound – definition of interaction.
	5	Hot spot interactions – text entry
	6	Adding digital movie
	7	Adding digital movie
	8	Introduction to Frmeworks – constructing Frameworks.
	9	Introduction to Frmeworks – constructing Frameworks.
	10	Browsing with hypertext – Use of ActiveX and DLLs.
	11	Database connections via ODC and ActiveX.
	12	Evaluation of the projects and Package.
	13	Evaluation of the projects.
	14	assestment of Projects
Recommended Readings	-	
Teaching Methods	-	
Language of Instruction	Turkish	

BÖT358 Computer Networks and Communication

	Computer Networks and Communication	
Course Code	BÖT358	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Spring Semester	
Number of National Credit	3	
Number of ECTS	5	
Learning Outcomes	Recognizing of the fundamentals, architectures, topologies and hardware components of the computer networks (LAN/WAN). Setting up a local or wide area network as suitable for a goal. Comprehending the TCP/IP and OSI layers. Installing and managing of the network operating systems such as Windows NT 4.0, Windows 2000/2003 Server and Linux	
Prerequisites		
Made of Delivery	Face to Face	
Course Content	Week	Topics
	1	Introductive information
	2	Windows NT 4.0/Windows 2003 Server - Introduction and Installation
	3	Windows NT/Windows 2003 Server- Miscellaneous properties
	4	Linux operating system-Introduction and Installation
	5	Linux operating system- System Management
	6	Properties of the network hardware components
	7	Properties of the network hardware components
	8	Linux operating system- Commands and Interfaces Linux operating system
	9	System Management Properties of the network hardware components
	10	Network hardware components - Application
	11	Setting up a simple LAN Setting up a complicated LAN TCP/IP
	12	OSI Model
	13	WAN Technologies
	14	WAN Technologies
Recommended Readings		
Teaching Methods		
Language of Instruction	Turkish	

BÖT360 Database Management Systems

	Database Management Systems	
Course Code	BÖT360	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Spring Semester	
Number of National Credit	3	
Number of ECTS	5	
Learning Outcomes	C# and VB.NET applications	
Prerequisites		
Made of Delivery	Face to Face	
Course Content	Week	Topics
	1	Classess
	2	C#'da Interfaces ve Implemantation
	3	Programming Win objects
	4	Using Exception
	5	Multithreaded Programming
	6	C#'da XML Applications
	7	Midterm
	8	Sample Projects
	9	Sample Projects
	10	VB.NET
	11	İnstalling VB.NET
	12	Polymorphism
	13	Win Applications
	14	Final Exam
Recommended Readings		
Teaching Methods		
Language of Instruction	Turkish	

SEÇ362 ELECTİVE-II (COMPUTER AİDED MAT. INST.)

	ELECTİVE-II (COMPUTER AİDED MAT. INST.)
Course Code	SEÇ362
Type of Course	Required
Level of Course	First Cycle
Semester	Spring Semester
Number of National Credit	3
Number of ECTS	5

VII.SEMESTRE

BÖT451 Scientific Resesarch Methods

Course Code	BÖT451
Course Title	Scientific Resesarch Methods
Academic Cycle	Bachelor
Year of Study	4
Prerequisites	None
Local Credits	2
ECTS Credits	4
Weekly (Lectures-Practice- Laboratory)	2-0-0
Duration	1 semester
Semester	7. Semester
Examination	One mid-term exam, Project, final exam
Assessment	Mid-term exam-30%, project %30, final exam-40%
Description	
Course Content	Science and basic concepts (phenomena, knowledge, right, wrong and absolute knowledge), principle knowledge of science history, structure of scientific research, scientific methods and different aspects to scientific methods, problem, research model, population and sampling, collecting data and data collection methods (Qualitative and Quantitative data colecetion methods), recording, analising, interpreting and reporting data.
Learning Objectives	By the end of this module students will be able to: Knowing basic concepts of science and scientific methods Learning different aspects of scientific methods Understanding scientific research methods Improving the ability of doing scientific research
Read List	1. Karasar, N. (2003). Bilimsel Araştırma Yöntemi (12. Basım), Ankara: Nobel Yayıncılık. 2. Yıldırım A. ve Şimşek H. (2005). Sosyal Bilimlerde Nitel araştırma Yöntemleri, Ankara: Seçkin yayıncılık 3. Lodico, M. G., Spauldind, D. T. Ve Voegtle, K. H. (2006). Methods in Educational Research from Theory to Practice, San Francisco, CA: Wiley İmprint.

BÖT453 School Experience

Course Code	BÖT453
Course Title	School Experience
Academic Cycle	Bachelor
Year of Study	4
Prerequisites	None
Local Credits	3
ECTS Credits	6
Weekly (Lectures-Practice- Laboratory)	1-4-0
Duration	1 Semester
Semester	7. Semester
Examination	Practice, final exam
Assessment	Practice-50%, final exam-50 %
Description	The aim of this course is to provide information about teaching profession and students for candidate teachers.
Course Content	Daily jobs, school's organization and management in school teaching activities, a teacher and student's daily life in school, cooperation, family-school, observation of minor courses school and school's problems.
Learning Objectives	1. The aim of this course is to provide information about teaching profession and students for candidate teachers. 2. Development of observe ability 3. Learning material and methods which are used in education of physics is learned.
Read List	1. FAKÜLTE - OKUL İŞBİRLİĞİ, YÖK/DÜNYA BANKASI Milli Eğitimi Geliştirme Projesi Hizmet Öncesi Öğretmen Eğitimi 2. OKUL DENEYİMİ VE UYGULAMA, Doç.Dr. Ziya SELÇUK

BÖT455 Project Development and Management (I)

Course Title	Project Development and Management (I)	
Course Code	BÖT455	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Fall Semester	
Number of National Credit	3	
Number of ECTS	6	
Learning Outcomes	To understand concept of Project and planning the Project process and to develop a Project.	
Prerequisites	-	
Made of Delivery	Face to Face	
Work Placements	-	
Recommended Optional Programme Components	-	
Course Content	Week	Topics
	1	The general introduction.
	2	Relationship between Programme and project, features and concept of project , importance
	3	Project manager and features. Information fields of Project Management. Project planning.
	4	The first step of Project management process (Beginning). Preparing the report of beginning.
	5	The second step of Project management process (Planning).
	6	Project triangle. Planning approaches. Work Breakdown Structure.
	7	Project triangle. Planning approaches. Work Breakdown Structure.
	8	Risk and risk planning. Risk analysis. Plannnig report. Activity about Planning report.
	9	The third (Applying), fourth (Control) and fifth (Closure) step of Project management process.
	10	Introduction of Ms-Project.
	11	To enter and arrange the activities in Ms-Project. To modify the Project calender.
	12	Determining the duration of activities.
	13	Determining the predecessors of activities. Asiggning the resources.
	14	Determining the critical path and activities of Project. Controlling the Project.
Recommended Readings	-	
Teaching Methods	-	
Language of Instruction	Turkish	

BÖT457 Web Design

Course Title	Web Design	
Course Code	BÖT457	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Fall Semester	
Number of National Credit	3	
Number of ECTS	6	
Learning Outcomes	Creating a dinamic web site by ASP	
Prerequisites		
Made of Delivery	Face to Face	
Work Placements	NA	
Recommended Optional Programme Components	NA	
Course Content	Week	Topics
	1	NET architecture - Importance of ASP– Client – Server interaction
	2	Foundations of ASP.NET
	3	Running ASP.NET pages
	4	ASP.NET Namespaces
	5	ASP.NET Server controls
	6	ASP.NET configuration
	7	ASP.NET configuration
	8	First ASP.NET application
	9	Introduction to ADO.NET
	10	Use of XML
	11	ASP.NET debugging
	12	Web applications
	13	XML.NET
	14	XML.NET
Recommended Readings		
Teaching Methods		
Language of Instruction	Turkish	

BÖT459 ELECTİVE-IV (COMPUTER STATİSTİCS APPROPRİATE UPDATES)-I

	ELECTİVE-IV (COMPUTER STATİSTİCS APPROPRİATE UPDATES)-I
Course Code	BÖT459
Type of Course	Required
Level of Course	First Cycle
Semester	Fall Semester
Number of National Credit	3
Number of ECTS	4

BÖT461 ELECTİVE-V (HUMAN RELATIONS AND COMMUNICATION)

	ELECTİVE-V (HUMAN RELATIONS AND COMMUNICATION)
Course Code	BÖT461
Type of Course	Required
Level of Course	First Cycle
Semester	Fall Semester
Number of National Credit	2
Number of ECTS	4

VIII.SEMESTRE

EGB470 Guidance

Course Title	Guidance	
Course Code	EGB470	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Spring Semester	
Number of National Credit	3	
Number of ECTS	6	
Learning Outcomes	To obtain information about basic principles, concepts, services and effective guidance view.	
Made of Delivery	Face to Face	
Work Placements	NA	
Recommended Optional Programme Components	NA	
Course Content	Week	Topics
	1	The concepts of guidance in education
	2	Historical and current student personal services and guidance.
	3	Various dimensions of guidance services for education and other areas.
	4	Guidance services in the school.
	5	Purpose and principles of guidance
	6	The concepts of educational guidance in the school.
	7	Developmental guidance
	8	The concepts of vocational guidance
	9	The concepts of individual guidance
	10	Techniques on student recognition
	11	Techniques on student recognition applications
	12	Special education and guidance
	13	Research and evaluation in guidance services
	14	Organization and staff of guidance in the educational area.
Recommended Readings	Can G., "Psikolojik Danışma ve Rehberlik", (Ed.), PEGEMA Yayıncılık, 2003. Kaya A., "Psikolojik Danışma ve Rehberlik", (Ed.), Anı Yayıncılık, Ankara, 2004. Karagözoğlu C. ve Kemertaş İ., "Eğitimde Üçüncü Boyut: Psikolojik Danışma ve Rehberlik", (Ed.), Birsen Yayınevi, İstanbul,2004. Kepçeoğlu, M. Psikolojik Danışma ve Rehberlik. Alkım Yayıncılık, Ankara, (1999). Kuzgun, Y. Rehberlik ve Psikolojik Danışma. ÖSYM Yayınları, Ankara, 1992). Kuzgun, Y. İlköğretimde Rehberlik. Nobel Yayıncılık, Ankara, (2000). Yeşilyaprak B., "Eğitimde Rehberlik Hizmetleri", Nobel Yayın Dağıtım, Ankara, 2003.	
Teaching Methods	Lecture, question-answer, role-playing,discussion.	
Language of Instruction	Turkish	

BÖT454 Practice Teaching

Course Title	Practice Teaching	
Course Code	BÖT454	
Type of Course	Required	
Level of Course	Second Cycle	
Semester	Spring Semester	
Number of National Credit	5	
Number of ECTS	8	
Learning Outcomes	Developing the teacher applicants teachings skills by aplication in the school	
Prerequisites		
Made of Delivery	Face to Face	
Work Placements	NA	
Recommended Optional Programme Components	NA	
Course Content	Week	Topics
	1	Information about portfilio and application in schools.
	2	Information about portfilio and application in schools.
	3	Information about portfilio and application in schools.
	4	Information about portfilio and application in schools.
	5	Information about portfilio and application in schools.
	6	Information about portfilio and application in schools.
	7	Mid Term
	8	Information about portfilio and application in schools.
	9	Information about portfilio and application in schools.
	10	Information about portfilio and application in schools.
	11	Information about portfilio and application in schools.
	12	Information about portfilio and application in schools.
	13	Information about portfilio and application in schools.
	14	Final Exam
Recommended Readings		
Teaching Methods		
Language of Instruction	Turkish	

BÖT456 Project Development and Management II

Course Title	Project Development and Management II	
Course Code	BÖT456	
Type of Course	Required	
Level of Course	First Cycle	
Semester	Spring Semester	
Number of National Credit	3	
Number of ECTS	6	
Learning Outcomes	To understand concept of Project and planning the Project process and to develop a Project.	
Prerequisites	-	
Made of Delivery	Face to Face	
Work Placements	-	
Recommended Optional Programme Components	-	
Course Content	Week	Topics
	1	The general introduction.
	2	Relationship between Programme and project, features and concept of project , importance of Project management
	3	Project manager and features. Information fields of Project Management. Project planning.
	4	The first step of Project management process (Beginning). Preparing the report of beginning.
	5	The second step of Project management process (Planning). Project triangle. Planning approaches. Work Breakdown Structure.
	6	Activity about WBS. Determining the time and cost. Cost planning approaches. Palnning tools. Critical path and critical activities.
	7	Activity about WBS. Determining the time and cost. Cost planning approaches. Palnning tools. Critical path and critical activities
	8	Risk and risk plannnig. Risk analysis. Plannnig report. Activity about Planning report. The
	9	The third (Applying), fourth (Control) and fifth (Closure) step of Project management process.
	10	Introduction of Ms-Project.
	11	To enter and arrange the activities in Ms-Project. To modify the Project calender.
	12	Determining the duration of activities.
	13	Determining the Controlling the Project.predecessors of activities. Asiggning the resources.
	14	Determining the Controlling the Project.predecessors of activities. Asiggning the resources.
Recommended Readings	-	
Teaching Methods	-	
Language of Instruction	Turkish	

BÖT460 ELECTİVE-VI (EDUCATİONAL WEB DESİGN)-II

	ELECTİVE-VI (EDUCATİONAL WEB DESİGN)-II
Course Code	BÖT460
Type of Course	Required
Level of Course	First Cycle
Semester	Spring Semester
Number of National Credit	3
Number of ECTS	5

BÖT462 ELECTİVE-VII (COMMUNİCATİONS AND TECHNOLOGY)

	ELECTİVE-VII (COMMUNİCATİONS AND TECHNOLOGY)
Course Code	BÖT462
Type of Course	Required
Level of Course	First Cycle
Semester	Spring Semester
Number of National Credit	2
Number of ECTS	5