

Faculty of Education

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Faculty of Education

Overview :

Established in 1979-1980 (1399-1400 H.), the Faculty of Education of the Islamic University of Gaza (IUG), alongside the other counterpart faculties in the Palestinian universities, has sought to develop the Palestinian education and upgrade its efficiency by preparing distinguished graduates in various fields. The Faculty of Education is contributing in consolidating and revitalizing the educational and cultural movement in which it fulfils its ongoing requirements in development and progress. It aims to qualify teachers educationally and academically in all majors to meet the needs of the Palestinian community. It is also interested in rehabilitating in-service teachers (Diploma holders) working in schools through helping them continue their university education, training in-service teachers, holding training sessions in the field of education and psychology, holding symposiums, workshops and study days to discuss various educational issues.

Since its establishment, the Faculty of Education has been operating under the premises that it should serve the needs of educational institutions by preparing professionals in education and psychology through graduate study programs. To meet the needs of the local community, the Faculty of Education is also interested in conducting educational and psychological researches to tackle the educational problems, preparing and rehabilitating quality educators and psychological counselors.

Degrees Offered by the Faculty of Education :

The following degrees and diplomas can be earned through the Faculty of Education:

1. B.A. in Education:

- Classroom Teacher (teaching in low elementary schools) (1- 4):

This major aims at preparing quality educators academically and professionally to teach the curriculums in the first four classes of the elementary stage.

- Field Teacher (teaching in intermediate stage):

This aims at preparing qualified teachers academically and professionally to teach the curriculums of the upper elementary stage (5- 10) in one of the following majors:

Arabic, English, Islamic Studies, Sociological Studies, Science, Mathematics, Educational Computer, Applied Sciences and Technology of Education, and Basic Education.

- Counseling Psychology and Educational Guidance (All-Grade Counseling):

It aims to prepare a psychological counselor and an educational guidance who is able to help students, individuals and groups solve their psychological, sociological and educational problems.

2. General Diploma- Educational Rehabilitation (11-12)

It aims to prepare a teacher educationally to achieve his/her duties well each in his/her specialization. This program was inaugurated in 1991-1992.

3. High Diploma

The following degrees in education and psychology can be earned through this program:

- High diploma educational administration
- High diploma in psycho-social health

- High diploma in psycho-educational counseling

4. Master of Education (M.Ed.)

The Faculty of Education awards M.Ed. in one of the following degrees:

- **Principles of Education:** including (educational administration and Islamic education)
- **Psychology:** including (Counseling and mental health)
- **Curricula and Education Technology:**
 - Methods of Science Teaching
 - Methods of Mathematics Teaching
 - Methods of English Language Teaching
 - Methods of Arabic Language Teaching
 - Methods of Social Studies Teaching
 - Curriculum
 - Technology of Education
- **Mental and Social Health**

5. Educational Rehabilitation (Education in secondary stage)(11-12)

Since its establishment in 1991-1992, this program aims to give courses in educational rehabilitation for students of humanitarian studies who wish to be teachers of the secondary stage.

The Faculty of Education includes:

- The Center of Technology of Education
- The Center of Counseling Psychology

Faculty Members and Staff

No.	Name	Major	Academic Rank
1	Fua'ad A. Al-Ajez	Principals of Education	Full Professor
2	Izzou I. Afana	Curriculum and Methods of Teaching	Full Professor
3	Mohammed A. Asqoul	Curriculum and Methods of Teaching	Full Professor
4	Mohammed Wafa'I A. El-Helou	Psychology	Full Professor
5	Mahmoud K. Abu Daff	Principals of Education	Full Professor
6	Samir Quta	Psychology	Associate Professor
7	Sana' I. Abu Daqqah	Psychology	Associate Professor
8	Illayan A. Al Houli	Principals of Education	Associate Professor
9	AbdelMouti R. El-Agha	Curriculum and Methods of Teaching	Associate Professor
10	Fathiya S. El-Lolo	Curriculum and Methods of Teaching	Associate Professor
11	Mohammed S. Zaqout	Curriculum and Methods of Teaching	Associate Professor
12	Osama A. Al-Mzeini	Psychology	Assistant Professor
13	Jamil Al Tahrawi	Psychology	Assistant Professor
14	Hamdan A. Soufi	Principals of Education	Assistant Professor
15	Sulieman Al Mzayen	Principals of Education	Assistant Professor
16	Awadh S. Qishta	Curriculum and Methods of Teaching	Assistant Professor
17	Atef O. El-Agha	Psychology	Assistant Professor

18	Mohammed O. El-Agha	Principals of Education	Assistant Professor
19	Nabil K. Dokhan	Psychology	Assistant Professor
20	Mahmoud M. Al Rantessi	Curriculum and Methods of Teaching	Lecturer
21	Adham El Ba'alougi	Curriculum and Methods of Teaching	Lecturer
22	Anwar Al Bar'awi	Psychology	Lecturer
23	Anwa El Abadsa	Psychology	Assistant Professor
24	Fayez Shaldan	Principals of Education	Assistant Professor
25	AbdelFattah El Hams	Psychology	Assistant Professor
26	Salah Ennaqa	Curriculum and Methods of Teaching	Curriculum and Methods of Teaching
27	Dawoud Hillis	Curriculum and Methods of Teaching	Lecturer
28	Munir Hasan	Curriculum and Methods of Teaching	Lecturer
29	Majdi Aqel	Curriculum and Methods of Teaching	Lecturer
30	Minwer Najem	Principals of Education	Lecturer

Faculty Academic Plans

University Requirements

No.	Course Title	Course No.	Credit Hours
1	Holy Quran (1) Amma Part	HADT A 1100	1
2	Holy Quran (2) Tabark Part	HADT B 1100	1
3	Holy Quran (3) Qad Sama'a Part	HADT C 2100	1
4	Holy Quran (4) Az-Zariyat Part	HADT D2100	1
5	Holy Quran (5) Al- Ahqaf	HADT E 3100	1
6	Arabic Grammar	ARAB 1301	3
7	Arabic Literature (The Art of Writing and Expression)	ARAB 3202	2
8	Studies in Sira (Nabawiyah)	HADT 1302	3
9	Studies in Quranic Studies	HADT 2201	2
10	Studies in Aqeedah (Firm Belief)	HADT 2303	3
11	Contemporary Islamic World	HADT 3306	3
12	Studies in Fiqh	SHAR 1303	3
13	Islamic Systems	SHAR 2207	2
14	Human Rights in Sharia and Law	SHAR 2208	2
15	English Language	ENGL 1301	3
16	Palestinian Studies	POLS 3220	2
17	Principles Of Economy & Islamic Economy	ECON 4203	2
18	Studies in Hadith Sharif	HADT 4204	2
19	First Aid	NURS 4000	0

N.B. See the end of the guidebook for description of university requirements

Faculty Requirements

No.	Course Title	Course No.	Credit Hours
1	Introduction to Educational & Behavioral Sciences	EDUC 1201	2
2	Islamic Education	EDUC 1211	2
3	Growth and Health Psychology	EDUC 1301	3
4	Psychology of Education	EDUC 2301	3
5	Scientific Research Methods	EDUC 2102	1
6	Foundations of Curriculum	EDUC 2201	2
7	Sociological & Philosophical Foundations of Education	EDUC 2303	3
8	Teaching Skills	EDUC 3220	2
9	Technology of Education	EDUC 3301	3
10	Measurement & Evaluation	EDUC 3313	3
11	* Teaching Methods		3
12	Practicum (1)	EDUC 4201	2
13	Practicum (2)	EDUC 4202	2
14	Comparative Education	EDUC 4214	2
15	Classroom Management	EDUC 4205	2

*University Requirement (**Teaching Methods**)

Students in the Faculty of Education may study Teaching Methods requirements according to individual's specialization; Course No. is confined to each section.

Academic Plan for the Faculty of Education

Department: **Arabic Language**

Plan: The Fourth

Year: 2001

Total Credit Hours: 140

University Requirements: 32 Credit Hours

Course No.	Course Title
ECON 4203	Principles Of Economy & Islamic Economy
ENGL 1301	ENGLISH LANGUAGE
HADT 1302	Studies in Sira (Nabawiyah)
HADT 2201	Studies in Quranic Sciences
HADT 2303	Studies in Aqeedah (Firm Belief)
HADT 3306	Contemporary Islamic World
HADT 4204	Studies in Hadith Sharif
HADTA 1100	Holy Quran (1) Amma Part
HADTB 1100	Holy Quran (2) Tabark Part
HADTC 2100	Holy Quran (3) Qad Sama'a Part
HADT D2100	Holy Quran (4) Az-Zariyat Part
HADTE 3100	Holy Quran (5) Al- Ahqaf Part
NURS 4000	First Aid
POLS 3220	Palestinian Studies
SHAR 1303	Studies in Fiqh
SHAR 2207	Islamic Systems
SHAR 2208	Human Rights in Sharia and Law

Compulsory Faculty Requirements: 37 Credit Hours

Course No.	Course Title
ARAB 1271	Arab Islamic Library
EDUC 1201	Introduction to Educational & Behavioral Sciences
EDUC 1211	Islamic Education
EDUC 1301	Growth and Health Psychology
EDUC 2102	Scientific Research Methods
EDUC 2201	Foundations of Curriculum
EDUC 2301	Psychology of Education
EDUC 2303	Sociological & Philosophical Foundations of Education
EDUC 3220	Teaching Skills
EDUC 3301	Technology of Education
EDUC 3313	Measurement and Evaluation
EDUC 3321	Arabic Teaching Methods
EDUC 4201	Practicum (1)
EDUC 4202	Practicum (2)
EDUC 4205	Classroom Management
EDUC 4214	Comparative Education

Compulsory Specialization Requirements : 71 Credit Hours

Course No.	Course Title
ARAB 1350	Prosody And Rhyme
ARAB 1354	History Of Pre- Islamic Literature
ARAB 1455	History of Islamic And Umayyad Literature
ARAB 3201	History of Andalucian Literature
ARAB 3362	History of Mamluk and Othoman Literature
ARAB 4269	History of Modern Literature
ARAB 4270	History of Contemporary Literature
ARAB 4272	Syntactic Applications
ARABA 1252	Morphology (1)
ARABA 1351	Arabic Syntax (1)
ARABA 1353	Arabic Rhetoric (1) & Semantics
ARABA 2257	Introduction to Arabic Linguistics (1)
ARABA2358	History of Abbassid Literature (1)
ARABA 3363	History of Ancient Criticism (1)
ARABA 4168	Seminar in Arabic Language & Literature (1)
ARABB 1351	Syntax (2)
ARABB 2252	Morphology (2)
ARABB 2353	Arabic Rhetoric (2) & Eloquence
ARABB 2358	History of Abbassid Literature (2)
ARABB 3257	Linguistics (2) and Arabic Phonology
ARABB 4363	Modern Criticism (2)
ARABC 2351	Syntax (3)

ARABC 3253	Eloquence (3)
ARABC 4252	Morphology (3)
ARABD 2351	Arabic Syntax (4)
ARABE 3351	Arabic Syntax (5)
ARABF 4251	Arabic Syntax (6)
HADT 2204	Tafsir and Methods of Mufasirin

Department Requirements

Field Teacher in Arabic Language

The academic plan includes a number of courses distributed as the following:

University Requirements 34 credit hours (students are excluded from studying the following course requirement: Arabic Language (Syntax & Morphology))

Faculty Requirements 35 credit hours

Specialization Requirements 73 credit hours

Total **142 credit hours**

Specialization Requirements:

No.	Course Title	Course No.	Credit Hours
1	Arab Islamic Library	ARAB 1271	2
2	Arabic Syntax ()	ARAB A 1351	3
3	Syntax (2)	ARAB B 1351	3
4	Morphology (1)	ARAB A 1252	2
5	Prosody And Rhyme	ARAB 1350	3

6	History Of Pre- Islamic Literature	ARAB 1354	3
7	History of Islamic And Umayyad Literature	ARAB 1455	4
8	Arabic Rhetoric (1) & Semantics	ARAB A 1353	3
9	Syntax (3)	ARAB C 2351	3
10	Arabic Syntax (4)	ARAB D 2351	3
11	Morphology (2)	ARAB B 2252	2
12	History of Abbassid Literature (1)	ARAB A 2358	3
13	History of Abbassid Literature (2)	ARAB B 2358	3
14	Arabic Rhetoric (2) & Eloquence	ARAB B 2353	3
15	Introduction to Arabic Linguistics (1)	ARABA 2257	2
16	Tafsir and Methods of Mufasirin (ARABIC)	HADT 2204	2
17	Arabic Syntax (5)	ARAB E 3351	3
18	History of Andalucian Literature	ARAB 3201	2
19	History of Mamluk and Othoman Literature	ARAB 3362	3
20	Linguistics (2) and Arabic Phonology	ARAB B 3257	2
21	Eloquence (3)	ARAB C 3253	2
22	History of Ancient Criticism	ARAB 3363	3

23	Arabic Syntax (6)	ARABF 4251	2
24	Morphology (3)	ARABC 4252	2
25	History of Modern Literature	ARAB 4269	2
26	History of Contemporary Literature	ARAB 4270	2
27	Seminar in Arabic Language & Literature (1)	ARABA 4168	1
28	Schools of Modern Criticism (2)	ARABB 4363	3
29	Syntactic Applications	ARAB 4272	2

Academic Plan for the Faculty of Education

Department: **English Language**

Plan: The Fourth

Year: 2004

Total Credit Hours: 141

Compulsory Specialization Requirements: 66 Credit Hours

Course No.	Course Title
ENGL 1321	English Syntax (1)
ENGL 1322	Oral Communication Skills
ENGL 1323	Study Skills
ENGL 1324	Reading
ENGL 1325	The Art of Writing (1)
ENGL 1346	Introduction to English Literature
ENGL 2321	English Syntax (2)
ENGL 2322	Linguistics
ENGL 2321	Literary Criticism (1)

ENGL 2324	Translation (1)
ENGL 2325	The Art of Writing (2)
ENGL 2344	Phonetics and Phonology
ENGL 2347	Short Story
ENGL 2349	The Novel
ENGL 3324	Translation (2)
ENGL 3330	Elizabethian Literature
ENGL 3358	Poetry
ENGL 3362	Advanced Writing
ENGL 3372	Psycho & Socio Linguistics
ENGL 4366	Drama
ENGL 4369	English Literature in 20 th Century
ENGL 4371	Comparative Linguistics

Compulsory Specialization Requirements: 6 Credit Hours

Course No.	Course Title
ENGL 1326	Pronunciation
ENGL 3316	Romantic Literature
ENGL 3321	Structure and Semantics
ENGL 3323	Literary Criticism (2)
ENGL 3359	Shakespeare
ENGL3361	Victorian Literature
ENGL 3363	Prose in 17 th and 18 th Century
ENGL 4324	Translation (3)

ENGL 4328	Morphology and Vocabulary
ENGL 4331	Stylistics
ENGL 4332	Comparative Literature
ENGL 4372	American Literature
ENGL 4391	Special Topics (1)
ENGL 4392	Special Topics (2)
ENGL 4393	Special Topics (3)

Field Teacher in English Language

The academic plan includes a number of courses distributed as the following:

University Requirements 34 credit hours (students are excluded from studying the following course requirement: English Language

Faculty Requirements 35 credit hours

Specialization Requirements 74 credit hours

Total **143 credit hours**

Specialization Requirements:

No.	Course Title	Course No.	Credit Hours
1	Pronunciation	ENGL 1243	2
2	Listening & Speaking (1)	ENGLA 1242	2
3	Writing (I)	ENGLA 1343	3
4	English Grammar (I)	ENGLA1244	2
5	Reading (I)	ENGL 1245	2
6	Introduction to English	ENGL 1346	3

7	Short Stories	ENGL 1347	3
8	Translation (I)	ENGL A 1250	2
9	English Grammar (II)	ENGLB 2244	2
10	Reading (I)	ENGLB 2245	2
11	Phonetics & Phonology	ENGL 2344	3
12	The Novel	ENGL 2349	3
13	Linguistics (I)	ENGLA 2351	3
14	Culture & Civilization	ENGL 2252	2
15	Drama (Elizabethian Age)	ENGL 2353	3
16	Literary Appreciation (I)	ENGLA 2260	2
17	Listening & Speaking (II)	ENGLB 2242	2
18	Writing (II)	ENGLB 3255	2
19	Translation (II)	ENGLB 3256	2
20	Linguistics (II)	ENGLB 3357	3
21	Poetry	ENGL 3358	3
22	Victorian Literature	ENGL 3361	3
23	Advanced Writing	ENGL 3362	3
24	Syntax	ENGL 3259	2
25	Psycho & Socio Linguistics	ENGL 3372	3
26	Literary Appreciation (II)	ENGLB 4370	3
27	English Literature in 20 th Century	ENGL 4369	3
28	Comparative Linguistics	ENGL 4371	3
29	Drama	ENGL 4366	3

Academic Plan for the Faculty of Education

Department: **Islamic Studies**

Plan: The Third

Year: 2005

Total Credit Hours: 141

Compulsory Specialization Requirements: 82 Credit Hours

Course No.	Course Title
HADT 1221	Hadith Sciences (1)
HADT 1225	Rhetoric Methods in the Quran and Sunnah
HADT 1320	Tafsir (interpretation) (1)
HADT 1321	Quranic Studies (1)
HADT 1324	Analytic Sira (1)
HADT1330	Aqeedah (Firm Belief) (1)
HADT 2310	Recitation & Cantillation
HADT 2320	Tafsir (interpretation) (2)
HADT 2326	Hadith (1)
HADT 2327	Hadith (2)
HADT 2330	Aqeedah (Firm Belief) (2)
HADT 3310	The Biography Of The Rightly-Guided Caliphs
HADT 3333	The Thematic Quranic Interpretation
HADT 4319	Studies in Religions
HADT 4324	Inimitability of the Qur'an
HADT 4331	Thematic Hadith
SHAR 1311	Introduction to Islamic Fiqh
SHAR1312	Fiqh (Jurisprudence) of Worship (1)

SHAR 1313	Fiqh (Jurisprudence) of Worship (2)
SHAR 1314	Principles of Fiqh (1)
SHAR 1315	Principles of Fiqh (2)
SHAR 1316	Tafsir of Legislation Verses (1)
SHAR 1317	Hadiths of Legislation (1)
SHAR 2316	Tafsir of Legislation Verses (2)
SHAR 2319	Fiqh (Jurisprudence) of Transactions (1)
SHAR 3319	Fiqh (Jurisprudence) of Transactions (2)
SHAR 3324	Law of Personal Status- Marriage and Divorce
SHAR 4324	Law of Personal Status- Laws of inheritance and Will

Field Teacher in Islamic Studies (*)

The academic plan includes a number of courses distributed as the following:

University Requirements 24 credit hours (students are excluded from studying the following course requirements: (Studies in Sira, Studies in Creed, Studies in Quranic Sciences, Studies in Hadith Sharif, Studies in Fiqh (Jurisprudence))

Faculty Requirements 35 credit hours

Specialization Requirements 80 credit hours

Total **139 credit hours**

Specialization Requirements:

No.	Course Title	Course No.	Credit Hours
1	Recitation & Cantillation	HADT 1210	2
2	Fiqh (Jurisprudence) of Worship (1)	SHARA 1301	2

3	Fiqh (Jurisprudence) of Transactions (1)	SHARA 1311	3
4	Hadith Sciences (1)	HADTA 1209	2
5	Hadith (1)	HADT 1318	3
6	The Foundations of Faith (1)	HADTA 1336	3
7	Quranic Studies (1)	HADTA 1208	2
8	Fiqh (Jurisprudence) of Worship (2)	SHARB 1301	
9	History of Legislation	SHAR 1205	2
10	Principles of Fiqh (1)	SHARA 1307	3
11	Principles of Fiqh (2)	SHARB 1307	3
12	Tafsir of Legislation Verses (1)	SHARA 1215	2
13	Hadiths of Legislation (1)	SHARA 1216	2
14	Tafsir (interpretation) (1)	HADTA 2316	3
15	Tafsir (interpretation) (2)	HADTB 2316	3
16	Hadith (2)	HADTB 2318	3
17	The Foundations of Faith (2)	HADTB 2336	3
18	Fiqh (Jurisprudence) of Transactions (2)	SHARB 2311	3
19	Tafsir of Legislation Verses (2)	SHARB 2215	2
20	Fiqh of Personal Status- (Marriage and Divorce)	SHARB 2314	2
21	Analytic Sira (1)	HADT 2311	3
22	The Biography Of The	HADT 3214	2

	Rightly-Guided Caliphs		
23	Rhetoric Methods in the Quran and Sunnah	HADT 3225	2
24	The Thematic Quranic Interpretation	HADT 3333	3
25	Hadith (3)	AHDTC 3318	3
26	Fiqh of Personal Status – (Laws of inheritance and Will)	SHARB4314	3
27	Studies in Religions	HADT 4319	3
28	Inimitability of the Qur'an	HADT 4224	2
29	Thematic Hadith	HADT 4331	3
30	Comprehensive Juristic Bases	SHAR 4330	3

* Under Updating

Academic Plan for the Faculty of Education

Department: **Social Studies**

Plan: The Second

Year: 2006

Total Credit Hours: 140

Compulsory Specialization Requirements: 70 Credit Hours

Course No.	Course Title
EDUC 4301	National Education
GOCR 1320	Natural Geography
GOCR 1322	Geography of Palestine
GOCR 1323	Human Geography

GOCR 1329	Population Geography
GOCR 2311	Principles of Cartography
GOCR 2312	Geography of Ancient World (Euro- Asia and Africa)
GOCR 2333	Principles of Statistical Geography
GOCR 3207	Special Topic in Geography
GOCR 3314	Principles of Climatology and Meteorology
GOCR 4318	Geography of the Arab World
GOCR 4338	Principles of Ecology
GOCR 4339	Geography of the New World
HIST 1230	Ancient History of Arabs & Prophet Mohammed (PBUH) Era
HIST 1231	History of Palestine Through the Ages
HIST 1233	History of the Rightly-Guided Caliphs
HIST 2201	History of the Islamic Civilization
HIST 2202	History of Jerusalem
HIST 2311	Studies in Mid & Modern European History
HIST 2312	Studies in Umayyad & Abbasid History
HIST 2313	Studies in the Ayoubi & Mamluk History
HIST 2315	History of the Othoman State
HIST 2337	History of the Maghreb and Andalucia
HIST 4201	Reform Movements in the Arab World
HIST 4347	Contemporary History of Arabs
SOCI 1201	Principles of Sociology

Field Teacher in Social Studies (*)

The academic plan includes a number of courses distributed as the following:

University Requirements	37 credit hours
Faculty Requirements	35 credit hours
Specialization Requirements	68 credit hours
Total	140 credit hours

Specialization Requirements:

No.	Course Title	Course No.	Credit Hours
1	Ancient History of Arabs & Prophet Mohammed (PBUH) Era	HIST 1230	2
2	Geography of Palestine	GOCR 1322	3
3	Principles of Sociology	SOCI 1201	2
4	Studies in the Islamic History	HADT 2235	2
5	General Anthropology	SOCI 1351	3
6	Population Geography	GOCR 1329	3
7	Human Geography	GOCR 1323	3
8	Geography of the Islamic World	GOCR 1224	2
9	Natural Geography	GOCR 1320	3
10	History of Palestine in Ancient & Middle Ages	HIST 1229	2
11	History of the Rightly-Guided Caliphs	HIST 1233	2
12	Climatology	GOCR 2324	3

13	Principles of Statistical Geography	GOCR 2333	3
14	Principles of Cartography & Surveying	GOCR 2326	3
15	Modern & Contemporary History of Palestine	HIST 2351	3
16	Palestine Antiques Through Ages	ARCH 2317	3
17	History of the Maghreb and Andalucia	HIST 2337	3
18	Social Development	SOCI 3363	3
19	Geography of Europe & Asia	GOCR 3355	3
20	History of Ayoubi Dynasty & Crusade Wars	HIST 2341	3
21	History of Jews & Zionist Movement	HIST 3345	3
22	National Education	EDUC 4301	3
23	Environmental Problems	GOCR 4356	3
24	Modern History of Arabs	HIST 4247	2
25	Contemporary History of Arabs	HIST 4347	3

* Under Updating

Academic Plan for the Faculty of Education

Department: **Science**

Plan: The First

Year: 2001

Total Credit Hours: 140

Compulsory Specialization Requirements: 67 Credit Hours

Course No.	Course Title
BIOLA 1102	General Biology A (Lab)
BIOLA 1301	General Biology A
CHEMA 1202	General Chemistry (Lab)
CHEMA 1301	General Chemistry A
CHEMA 1301	General Chemistry B
GEOL 1101	Introduction to Geology & Ecology (Lab)
GEOL 1302	Introduction to Geology & Ecology
MATHA 1401	Calculus A
MATHA 1401	Calculus B
PHYSA 1102	General Physics A (Lab)
PHYSA 1301	General Physics A
PHYSB 1102	General Physics B (Lab)
BIOL 2311	Biology of Cell
BIOL 2320	Genetics
BIOLB 1102	General Biology B (Lab)
BIOLB 1301	General Biology B
CHEM 2110	Analytical Chemistry (Lab)
CHEM 2111	Organic Chemistry (Lab)
CHEM 2310	Analytical Chemistry

CHEM 2311	Organic Chemistry
CSCI 1301	Introduction to Computer Science
CSCIA 1302	Multimedia A
ENVT 2202	Ecology
PHYS 2111	Light Lab
PHYS 2311	Wave & Light Physics
PHYS 2330	Modern Physics
TECH 4301	Science and Technology in Society

Field Teacher in Science

The academic plan includes a number of courses distributed as the following:

University Requirements	37 credit hours
Faculty Requirements	35 credit hours
Specialization Requirements	68 credit hours
Total	140 credit hours

Specialization Requirements:

N o.	Course Title	Course No.	Credit Hours
1	General Biology A (Lab)	BIOLA 1102	1
2	General Biology A	BIOLA 1301	3
3	General Biology B (Lab)	BIOLB 1102	1
4	General Biology B	BIOLB 1301	3
5	General Chemistry B	CHEM 1202	2
6	General Chemistry A	CHEMA 1301	3

7	General Chemistry B	CHEMB 1301	3
8	Introduction to Computer	CSCI 1301	3
9	Introduction to Geology & Ecology (Lab)	GEOL 1101	1
10	Introduction to Geology & Ecology	GEOL 1302	3
11	Calculus A	MATHA 1401	4
12	Calculus B	MATHB 1401	4
13	General Physics A (Lab)	PHYSA 1102	1
14	General Physics A	PHYSA 1301	3
15	General Physics B (Lab)	PHYSB 1102	1
16	General Physics B	PHYSB 1301	3
17	Multimedia I	CSCIA 1302	3
18	Wave & Light Physics	PHYS 2311	3
19	Light Lab	PHYS 2111	1
20	General Physics C Modern Physics	PHYS 2330	3
21	Analytical Chemistry	CHEM 2310	3
22	Analytical Chemistry (Lab)	CHEM 2110	1
23	Ecology	ENVT 2202	2
24	Biology of Cell	BIOL 2311	3
25	Genetics	BIOL 2320	3
26	Organic Chemistry	CHEM 2311	3
27	Organic Chemistry (Lab)	CHEM 2111	1
28	Science and Technology in Society	TECH 4301	3

Academic Plan for the Faculty of Education

Department: **Mathematics**

Plan: The Sixth

Year: 2007

Total Credit Hours: 141

Compulsory Specialization Requirements: 57 Credit Hours

Course No.	Course Title
CHEMA 1301	General Chemistry A
CSCI 1405	Introduction to Computer Science
MATH 2302	Ordinary Differential Equations
MATH 2311	Linear Algebra I
MATH 2450	Principles of General Mathematics & Set Theory
MATH 3303	Partial Differential Equations
MATH 3312	Compound Analysis
MATH 3315	Modern Algebra I
MATH 4309	Real Analysis I
MATH 4342	Number Theory
MATHA 1401	Calculus I
MATHB 1401	Calculus II
MATHC 2301	Calculus III
PHYSA 1102	General Physics A (Lab)
PHYSA 1301	General Physics A
PHYSAB 1102	General Physics B (Lab)
PHYSB 1301	General Physics B
STAT 2301	Probability Theory I
STAT 3302	Mathematical Statistics

Elective Specialization Requirements: 12 Credit Hours

Course No.	Course Title
MATH 2301	History of Mathematics
MATH 2320	Geometrical Transformation
MATH3304	Special Functions
MATH 3306	Codeology
MATH 3307	Encoding Theory
MATH 3310	Finite Geometry
MATH 3311	Linear Algebra II
MATH 3316	Modern Algebra II
MATH 4305	Advanced Calculus
MATH 4308	Graph Theory
MATH 4310	Real Analysis II
MATH 4344	Number Theory & Algebra
MATH 4360	Typology
MATH 4371	Special Topics
STAT 2303	Statistical Methods
STAT 3303	Mathematical Statistics II

Field Teacher in Mathematics

The academic plan includes a number of courses distributed as the following:

University Requirements	37 credit hours
Faculty Requirements	35 credit hours
Specialization Requirements	69 credit hours
Total	141 credit hours

Specialization Requirements:

No.	Course Title	Course No.	Credit Hours
1	General Biology A (Lab)	BIOLA 1102	1
2	General Biology	BIOLA 1301	3
3	General Chemistry A	CHEMA 1301	3
4	Introduction to Geology & Ecology (Lab)	GEOL 1101	1
5	Introduction to Geology & Ecology	GEOL 1302	3
6	Calculus I	MATHA 1401	4
7	Calculus II	MATHB 1401	4
8	General Physics A (Lab)	PHYSA 1102	1
9	General Physics A	PHYSA 1301	3
10	General Physics B (Lab)	PHYSB 1102	1
11	General Physics B	PHYSB 1301	3
12	Principles of General Mathematics & Set Theory	MATH 2350	3
13	Calculus III	MATHC 2301	3

14	Linear Algebra I	MATHA 2340	3
15	Ordinary Differential Equations	MATHA 2302	3
16	Mathematical Analysis I	MATHA 2310	3
17	Geometrical Transformation	MATH 2320	3
18	Statistical Methods	MATHA 2305	3
19	Probability Theory	MATH 3331	3
20	Modern Algebra I	MATH 3341	3
21	Number Theory	MATH 4341	3
22	Compound Analysis	MATH 4312	3
23	Advanced Calculus	MATH 4305	3
24	Special Topics	MATH 4371	3
25	Chosen Topics in Mathematics	MATH 4372	3

Academic Plan for the Faculty of Education

Department: **Educational Computer**

Plan: The First

Year: 2004

Total Credit Hours: 142

Compulsory Specialization Requirements: 64 Credit Hours

Course No.	Course Title
CSCI 1405	Introduction to Computer
CSCI 2402	Basics of Objective Programming
CSCI 2404	Structure of Data & Algorithms
CSCI 2411	Programming I

CSCI 2412	Programming II
CSCI 3309	Designing and Analyzing Systems
CSCI 3406	Operating Systems
CSCI 4208	Project
CSCI 4301	Programming Engineering
MATHA 1401	Calculus I
PHYS 1103	General Physics (Lab) (For students of information technology)
PHYS 1302	General Physics (For students of information technology)
SICT 1320	Multimedia I
SICT 2320	Multimedia II
SICT 2407	Web Programming
SICT 3304	Educational Computer
SICT 3305	Human Computer interaction
SICT 3408	Computer Networks
SICT 3411	Systems of Database Administration

Elective Specialization Requirements: 6 Credit Hours

Course No.	Course Title
CSCI 2410	Computer Architecture & Assembly Language
CSCI 3304	Automata Theory
CSCI 4307	Special Topics I
CSCI 4402	Computer Graphics

CSCI 4404	Artificial Intelligence
CSCI 4409	Photo Processing
CSCI 4411	Data Mining
CSCI 4415	Theory of Figures
CSCI 4416	Distinction of Modes
SICT 3302	Decision reinforcement Systems
SICT 3312	Multimedia Systems
SICT 3412	Systems of Database Administration II
SICT 4306	Distributed Systems
SICT 4330	Special Topics II
SICT 4422	Computer Networks- Advanced

Field Teacher in Educational Computer

The academic plan includes a number of courses distributed as the following:

University Requirements	37 credit hours
Faculty Requirements	35 credit hours
Specialization Requirements	70 credit hours
Total	142 credit hours

Specialization Requirements:

No.	Course Title	Course No.	Credit Hours
1	Introduction to Computer	CSCI 1301	3
2	Calculus I	MATHA 1401	4
3	Calculus II	MATHB 1401	4

4	General Physics II	PHYSB 1301	3
5	General Physics (Lab)	PHYSB 1103	1
6	Multimedia I	CSCIA 1302	3
7	Multimedia II	CSCIB 1302	3
8	Electronics	PHYS 2320	3
9	Logic Design	CSCI 2301	3
10	Programming in Pascal	CSCI 2302	3
11	Programming in C	CSCI 2305	3
12	Data Structure	CSCI 2304	3
13	Linear Algebra I	MATHA 2340	3
14	Electronics (Lab)	PHYS 3121	1
15	Objective Programming & its Design	CSCI 3302	3
16	Educational Computer	CSCI 3307	3
17	Systems of Database Administration	CSCI 3305	3
18	Operating Systems	CSCI 3306	3
19	Programming Engineering	CSCI 4301	3
20	Computer Graphics	CSCI 4302	3
21	Computer Networks	CSCI 4303	3
22	Graduation Project	CSCI 4308	3
23	Special Topics I	CSCIA 4307	3
24	Special Topics II	CSCIB 4309	3

Academic Plan for the Faculty of Education

Department: **Applied Sciences & Technology of Education**

Plan: The First

Year: 2001

Total Credit Hours: 141

Compulsory Specialization Requirements: 70 Credit Hours

Course No.	Course Title
BIOL 4300	Bio-Technology
CHEM 1202	General Chemistry (Lab)
CHEMA 1301	General Chemistry I
CHEMB 1301	General Chemistry II
CSCI 1301	Introduction to Computer
CSCI 3307	Educational Computer
CSCIA 1302	Multimedia I
CSCIB 1302	Multimedia II
EIND 23004	Engineering MATERIALS
ENGG 1103	Workshop Technology
ENGG 1204	Engineering Drawing
ENVT 4213	Energy Resources
GEOL 1302	Introduction to Geology & Ecology
MATHA 1401	Calculus I
MATHB 1401	Calculus II
PHYS 2320	Electronics
PHYS 3121	Electronics (Lab)
PHYSA 1102	General Physics I (Lab)
PHYSA 1301	General Physics I

PHYSB 1102	General Physics II (Lab)
PHYSB 1301	General Physics II
TECH 2301	Introduction to Technology of Education
TECH 3201	Design and production of Teaching Aids I
TECH 3202	Design and production of Teaching Aids II
TECH 4300	Graduation Project
TECH 4301	Science & Technology in Society
TECH 4302	Design and Production of Video Programs

Field Teacher in Technology of Education & Applied Sciences*

The academic plan includes a number of courses distributed as the following:

University Requirements	37 credit hours
Faculty Requirements	32 credit hours
Specialization Requirements	72 credit hours
Total	141 credit hours

Specialization Requirements:

No.	Course Title	Course No.	Credit Hours
1	Introduction to Technology of Education	TECH 1201	2
2	Introduction to Computer Sciences	CSCI 1301	3
3	General Chemistry I	CHEMA 1301	3
4	General Chemistry II	CHEMB1301	3

5	Chemistry (Lab)	CHEM 1202	2
6	General Physics I	PHYS 1301	3
7	General Physics II	PHYSB 1301	3
8	General Physics I (Lab)	PHYSA 1102	1
9	General Physics II (Lab)	PHYSB 1102	1
10	Engineering Drawing	ENGG 1204	2
11	Introduction to Computer	ENGG 1202	2
12	Multimedia I	CSCIA 1302	3
13	Workshops Technology	ENGG 1105	1
14	Calculus I	MATHA 1401	4
15	Calculus II	MATHB 1401	4
16	Materials Properties & Classification	ENGG 2307	3
17	Electronics	ENGG 2320	3
18	Multimedia II	CSCIB 2302	3
19	Static & Dynamics	ECIV 2311	3
20	Energy Technology & Environment	ENGG 2203	2
21	Design and production of Teaching Aids I	TECHA 2202	2
22	Design and production of Teaching Aids II	TECHB 3202	2
23	Electronics (Lab)	PHYS 3121	1
24	Bio-Technology	BIOL 4308	3
25	PC Assembly	ENGG 7405	7

26	Planning & Solving Problems in Technology	ENGG 4303	3
27	Design and Production of Video Programs	EDUC 4304	3

* Under Upgrading

Academic Plan for the Faculty of Education

Department: **Counseling Psychology and Educational Guidance**

Plan: The Second

Year: 2006

Total Credit Hours:

140

Compulsory Specialization Requirements: 72 Credit Hours

Course No.	Course Title
COUN 1204	Psychology of Play
COUN 1301	Introduction to Psychology and Life
COUN 1305	Principles of Counseling Psychology
COUN 1307	Islam and Psychology
COUN 1308	Psychology of Adjustment
COUN 2105	Experimental Psychology (practical)
COUN 2205	Experimental Psychology
COUN 2302	Family Counseling
COUN 2306	Religion Counseling
COUN 2307	Psycho-Physiology
COUN 2308	Counseling of Individuals With Special Needs
COUN 2309	Child & Adolescent Psychology
COUN 3104	Psychological Tests (Practical)

COUN 3204	Psychological Tests
COUN 3205	Adult & Aging Psychology
COUN 3302	Clinical Psychology
COUN 3303	Theories of Counseling
COUN 3305	Psychopathology
COUN 3309	Practical Skills in Counseling
COUN 3310	School Counseling
COUN 4200	Graduation Project
COUN 4201	Research Methods in Psychology
COUN 4205	Learning Difficulties
COUN 4206	Psychology of Individual Differences
COUN 4306	Psychotherapy
COUN 4307	Psychology of Personality
COUN 4308	Psychological and Counseling Texts in English
COUN 3304	Descriptive Statistics

Elective Specialization Requirements: 4 Credit Hours

Course No.	Course Title
COUN 1205	Socio- Psychology
COUN 3208	Contemporary Issues in Counseling
COUN 4203	Intelligence
COUN 4207	Creative Thinking
COUN 4208	Behavior Modification
COUN 4270	Special Topic

Field Teacher in Counseling Psychology and Educational Guidance (*)

The academic plan includes a number of courses distributed as the following:

University Requirements	37 credit hours
Faculty Requirements	32 credit hours
Specialization Requirements	73 credit hours
Total	142 credit hours

Specialization Requirements:

No.	Course Title	Course No.	Credit Hours
1	Introduction to Psychology and Life	COUN 1301	3
2	Physiology	COUN1302	3
3	Principles of Counseling Psychology	COUN 1305	3
4	Psychology of Play	COUN 1304	3
5	Special Groups	COUN 1303	3
6	Introduction to Computer	CSCI 1301	2
7	Psychological Heritage of Moslem Scholars	COUN 2201	2
8	Family Counseling	2302	3
9	Interview in Counseling	2304	3
10	Psychological and Counseling Texts in English	2303	3

11	Experimental Psychology	COUN 2305	3
12	Psychology of Adjustment	COUN 2301	3
13	Counseling Psychology for Teachers	COUN 3203	2
14	Clinical Psychology	COUN 3302	3
15	School Psychology	COUN 3306	3
16	Psychological Tests	COUN 3304	3
17	Psychology of Personality	COUN 3301	3
18	Psychological Pathology	COUN 3305	3
19	Intelligence	COUN 4203	3
20	Educational and Vocational Guidance	COUN 4202	2
21	Research Methods in Psychology	COUN 4204	2
22	Behavioral Therapy	COUN 4301	3
23	Group Dynamics	COUN 4302	3
24	Religion Counseling	COUN 4304	3
25	Contemporary Issues in Counseling Psychology	COUN 4305	3
26	Theories of Counseling	COUN 4303	3

(*) Under upgrading

Academic Plan for the Faculty of Education

Department: **Basic Education/ Low Stage**

Plan: The Third

Year: 2006

Total Credit Hours: 141

Compulsory Specialization Requirements: 65 Credit Hours

Course No.	Course Title
ARAB 1302	Syntax and Morphology (Basic education)
ARAB 2210	Arabic Calligraphy & Skills
ARAB 2303	Arabic Grammar (Basic education)
ARAB 2304	Arabic Literature
ARAB 3305	Texts and eloquence
ARAB 3306	Language Skills
BIOL 1311	General Biology (Basic education)
CHEM 1311	General Chemistry
COUN 1305	Principles of Counseling Psychology
COUN 1316	Psychology of Play & Creativity
COUN 2202	Developing Child Language & Thinking
GEOL 1302	Introduction to Geology & Ecology
GOCR 1322	Geography of Palestine
HADT 1320	Tafsir (Interpretation) I
HADT 2310	Recitation & Cantillation
HIST 3207	History of the Islamic Civilization
MATH 1311	General Mathematics I
MATH 1312	General Mathematics II

10	Recitation & Cantillation	HADT 1210	2
11	History of Palestine Through the Ages	HIST 1231	2
12	Fiqh (Jurisprudence) of Worship I	SHARA 1301	3
13	Fiqh (Jurisprudence) of Transactions I	SHARA 1311	3
14	Introduction to Geology & Ecology	GEOL 1302	3
15	Listening & Speaking	ENGLA 1242	2
16	Reading I	ENGLA 1245	2
17	Grammar I	ENGLA 1244	2
18	Writing I	ENGLA 1343	3
19	Pronunciation	ENGL1243	2
20	Arabic Grammar	ARAB 2303	3
21	Arabic Literature	ARAB 2304	3
22	Texts and Eloquence	ARAB 3305	3
23	Language Skills	ARAB 3306	3
24	Science and Technology in Society	TECH 4301	3

(*) Under upgrading

College Course Descriptions

Introduction to Educational & Behavioral Sciences EDUC 1201

This course covers the following: definition of the educational process and other educational concepts, the relationship between education and other sciences such as philosophy, psychology and sociology; types of education, components of the educational process, principles of the educational and developmental psychology and an idea on psychological measurement and statistics.

Islamic Education EDUC 1211

The purpose of this course is to enable students to get acquainted with some concepts and principles of the Islamic education; its aims and methods and description of the role of educational means in forming Moslem character in the Islamic society.

Growth and Psychological Health EDUC 4312

This course deals with the basic information necessary to distinguish between normal and abnormal persons; study of reasons of various psychological diseases, getting students acquainted with information pertaining to group and individual sociological behavior and rules which govern this behavior; definition of psychological health and different opinions in determining normal persons; symptoms of abnormality and its therapy and it also deals with the psychology of growth from the period of fertility to the age of youth in terms of the characteristics of growth of each stage.

Qualitative Education EDUC 1311

The purpose of this course is to enable students to get acquainted with the basic concepts and the general skills in the ecological, civil, occupational, population and recreational education; increasing students' abilities to deal with the educational problems in general and those related to the Palestinian environment particularly.

Educational Psychology EDUC 2301

This course aims at introducing students to the latest scientific trends of the learning process; components of the educational process and factors affecting it; the importance of interaction between student, teacher and the educational environment of the teaching process; learner growth; concepts of educational psychology and its importance in the teaching process; learning theories: knowledge, behavioral and field; theory principles and educational applications; learning modes and learning strategies.

Scientific Research Methods EDUC 2102

This course aims to give the student an idea about the basic concepts of research methods; approaches of scientific research: descriptive, experimental, historical; getting students acquire basic research skills, acquire the knowledge of research plan, understand it and criticize it.

Principles of Curriculum EDUC 2201

This course aims at providing students with concepts of curriculum and its importance in educational process; limitations of curriculum implementation and strategies of improving; curriculum and experience and culture; curriculum in connection with society; components of curriculum; selection and organization of content and methods of instruction and evaluation.

Socio- Philosophical Principles of Education EDUC 2303

This course aims at introducing students to the nature of the educational process & its guiding principles; sociological foundations and social raise, criteria & roles, ecological & vocational education; cultural foundations (nature of culture, cultural variation and importance of culture to teachers); philosophical foundations (philosophy concept, philosophical theories of education: idealism, pragmatism, realism, Islamic and naturalism).

Educational Technology EDUC 3301

The aim of this course is to introduce students with the information necessary about the nature of educational technology and its importance; instructional media (mechanical/ non-mechanical); its characteristics & sources; advantages & disadvantages; systematic curve of using technology; communication and instruction; instructional units and computer. Students will learn the production skills and utilizing instructional media and computer in teaching.

Methods of Arabic Language Teaching EDUC 3281

This course aims at introducing students to teaching approaches and specially the most remarkable ones used in teaching Arabic, advantages and disadvantages of each one such as lecturing approach, discussion approach, deductive & inductive approaches and the problem-solving approach. Emphasis is placed on how to prepare lesson plans, types and importance of preparing such plans; functions of Arabic and specific and general goals of teaching it and the techniques of teaching each branch of Arabic language such as reading, texts, composition and rhetoric. It also covers reasons of weakness and remedial solutions in these branches.

Methods of Islamic Education Teaching EDUC 3282

This course aims at introducing students to effective strategies used in the teaching of the Islamic Education; concept of the Islamic education and the importance of teaching it in this era, difference between it and the modern education, analysis of the educational process and the distinction between general education and teaching techniques, goals of teaching the Islamic education, Islamic education teaching design and lesson components in Islamic education. It also includes the teaching of different branches of the Islamic education such as The Holy Quran, Hadith Sharif, Monotheism, Tafsir (Interpretation), Cantillation, Sira (The Prophet's Biography), instructional media in Islam, evaluation in Islam and activities in the Islamic education.

Methods of Social Studies Teaching EDUC 2283

This course aims at enabling students acquire knowledge and skills of methods of teaching Social Studies. The theoretical framework includes concepts social studies, social sciences and social materials and the

differences among them. It also covers topics such as components of social studies curriculum in terms of goals, content, instructional methods, experience and activities.

Methods of English Language Teaching EDUC 3324

This course covers the following topics: different ELT methods, principles and practice of ELT, teaching and different language skills, teaching the different language systems, classroom management and organization, lesson planning, micro and macro teaching, materials writing including materials evaluation and adaptation, testing and evaluation and the management of teaching resources.

Methods of Science Teaching EDUC 3285

This course highlights the relationship between science and the contemporary society, concept of science and its stages of development, its goals and characteristics, basic integrated operations of science, scientific trends, tendency and scientific values and educational goals in teaching science (sources, criterion of derivation, fields of classification, instructional planning and teaching methods of science).

Methods of Mathematics Teaching EDUC 2286

This course aims at introducing students to the recent and contemporary strategies and methods in the teaching of mathematics at the basic and secondary levels. Among the topics: trends in mathematics education reform, history of mathematics, instructional planning and assessment techniques relevant to mathematics, effective classroom discourse, and the role of technology as a teacher resource and classroom tool. Emphasis is placed on knowledge and applications of different perspectives on teaching mathematics at the preparatory and secondary levels. The course, also, involves field experience in local schools.

Practicum I EDUC 4201

This course includes applications of knowledge and skills in practical situations in preparatory and secondary schools under the supervision of teachers of the Faculty of Education.

Practicum II EDUC 4202

This course includes applications of knowledge and skills in practical situations in preparatory and secondary schools under the supervision of teachers of the Faculty of Education.

Practicum EDUC 4203

This course includes practical training in schools for diploma students two days a week for one semester under the supervision of teachers of the Faculty of Education.

Classroom Management EDUC 4205

This course is designed for students to understand the concept and importance of classroom management, to promote students' skills of classroom control and management. It also covers the concepts of management, classroom management and organization, humanitarian relations, classroom environment, classroom interaction, abnormal behavior in classroom, classroom problems and teachers' strategies in tackling them.

Measurement and Evaluation EDUC 2313

The aim of this course is to introduce students to the concepts of measurement and evaluation in education and the aims of each, the difference between them, principles of statistics, cultural and civilization developments of every educational system and powers affecting forming these systems and the nature of problems in each system. It also deals with comparative education (origin, development, subject, means, goals, curriculum and various educational systems). Emphasis is placed on studying the status quo educational system in the Arab world in terms of objectives, content, analysis and review. Students will learn teaching methods of different subjects such as science, social sciences, linguistics, concept of practical education and its stages; strategies of teaching majors in terms of studying plan, objectives, content, activities and evaluation, forming behavioral objectives, selection of educational experiences, co-activities for achieving goals, studying-learning procedures, procedures of teaching a lesson; micro teaching, programmed teaching and portfolios, video-based teaching approach, mental operations and ways of

measuring them and educational applications of such branch of studying-learning process.

Comparative Education EDUC 4214

This course indicates the origin of studying comparative education and makes students aware of the various educational systems and content of each.

Methods of Computer Teaching EDUC 3327

This course includes the most important teaching methods in general, domains of computer in teaching, computer and curriculum, computer application, objectives of teaching computer, computer and its role towards ways of general thinking and problem solutions, computer lesson planning, computer-based evaluation and teaching computer programs.

Methods of Technology Teaching EDUC 3308

This course aims at introducing objectives and their levels, enabling students to form behavioral objectives in teaching technology, types of teaching methods concerning technology and preparing relevant plans and covering types of evaluation in teaching technology.

Description courses computer education plan

Introduction to Computers (CSCI 1405) :

This course is an introduction to computer science. The course concentrates on the understanding of how the computer works. Topics studied in the course will include: the basic of information technology, Hardware & Software components, Computer Networks, Computer Ethics, Number Systems, Boolean Algebra, flowcharts and Logic Gates. Students will be trained on the recent versions of basic computer software that make them ready in pass the International Computer Driving License (ICDL).

This course consist of 4 hours. 3 hours for theory and 2 hour for practical.

Course Objectives : The aim of this course is to give the student the basic sciences needed for the following courses in the next year, and provides him with the starting necessary computer skills.

Object-Oriented Programming Language (CSCI 2402) :

The aims of the course is providing the students with the basic knowledge and skills to learn the object oriented programming language with all its features. Currently the course is based on C++. This course consists of 4 hours. 3 hours for theory and 1 hour for practical.

Data Structure and Algorithms (CSCI 2404):

Introduction to Data Structure, Stacks, Queues, Pointers, Linked Lists, Recursion, Algorithms, Sorting, Searching, Hash Tables, Trees, Multiple Trees, Graphs.

This course consist of 4 hours. 3 hours for theory and 2 hour for practical.

Course Objectives : This course is to make the student aware of all data structure techniques and how to choose the appropriate data structure based on the nature of the application.

Programming Language "1" (CSCI 2411) :

The aims of the course is to provide students with the basic skills to learn programming language and knowledge with different data types of

programming languages. Inputs and Outputs operations, control structure, If statements, Functions, Array, Pointer, Union, Structure, Files. Also understand what is the basic operations on different types and how to represent in memory location. This course consist of 4 hours. 3 hours for theory and 1 hour for practical.

Programming Language "2" (CSCI 2412) :

The aim of this course is to provide the students with the advanced tools necessary for the critical evaluation of existing and future Object Oriented Programming languages. Currently the course is based on Java. This course consists of 4 hours. 3 hours for theory and 1 hour for practical.

Course Objectives : This course is to make the student aware of advanced programming techniques

Systems Analysis and Design (CSCI 3309):

A study of the information systems development life cycle from the initial stages of information requirement analysis and determination to the ultimate activities involving systems deign. Theory, methodologies and strategies for information requirements analysis including the assessment of prototype development, and an overview of computer – aided software engineering (CASE) tools. Theory, methodologies and strategies, and issues in the proper design of computer output.

Operating Systems (CSCI 3406) , (SDEV 3401):

The purpose of this course is to study principles of operating systems. Operating systems is an essential part of almost all computer systems. The operating system is the software system that provides the interface between users, their applications and the underlying hardware. The typical topics include Process Management, such as Process Scheduling, Process Synchronization, and Deadlocks, Memory management, such as Memory allocation algorithms, Swapping, Paging, Segmentation, and Virtual memory; File systems, e.g., file system structure and interface, secondary storage management policies and implementation; Distributed systems; Security and Protection.

Course Objectives: To understand the basic concepts of system programming such as Process Management and memory management.

Project (SDEV 4208):

This course provide the student with essential concept of practical applications. It makes a group of student to build a real software application from the beginning to the end. A critical evaluation of the project conduct at the end. This course consist of 2 hours.

Course Objectives: To make the student the ability to work with real applications in software.

Software Engineering (CSCI 4301):

Software engineering course give the student basic knowledge about the techniques and methodologies commonly used during software development. Topics include life cycle models, project planning and estimation, requirements analysis, program deign, construction, testing, maintenance and implementation, software measurement, and software quality. Students will apply most of these topics in a group project on software deign as a requirement for the course.

General Physics process I PHYS 1103

Measurements of length, mass and volume- Force table (vector addition) – free fall- linear motion – elastic and inelastic collisions – simple pendulum – Hook’s law – moment of inertia – projectile motion – conservation of energy .

General Physics PHYS 1302:

Units and vectors – Linear motion – Motion in two dimensions – Newton’s law’s of motion– circular motion – work and energy – conservation of energy – collisions – Rotational motion – static equilibrium mechanics. .

Multimedia "I" SICT 2302:

The aims of the course is to provide students with the deferent format of pictures and its applications, also it provides students with tools which used to make effects by Adobe Photoshop 7.0 ME program, also this course aims to help students to deal and design the Web Pages using Microsoft Front Page XP program, in addition, this course gives students a background about dealing and

saving sound files using Sound Forge 7.0 program, and make the 2D-Anamition Files by Macromedia Flash MX v 6.0 programs.

Multimedia 2 (CSCIB 1302):

Course description:

2D scenes and 3D scenes, introduction to 3D Studio Max.

Introduction to 3D models, modeling, and modifiers.

Introduction to 3D animation. Understanding controllers.

Introduction to materials and maps.

Introduction to 3D lighting.

Introduction to cameras.

Web Programming (SICT 2407):

This course aims to teach student how to program client-side Web pages using XHTML, JavaScript and Microsoft Internet Explorer's Dynamic HTML capabilities. Through these technologies, Web-page developers can dynamically control the content, style and location of every HTML element in a Web page, the course also covers the web server side programming CGI, ASP and ASP.NET.

Automata Theory (CSCI 3304):

Languages, Formal Grammars, Finite-Stat Machines. Finite-State Languages, Limitations of Finite-Automata, Tape Automata, Pushdown Automata, Turning Machines. This course is 3 hours. 3 hours for theory.

Course Objectives: To provide the students with the concepts of Automata Theory.

Human Computer Interaction (SICT 3305):

HCI is about designing computer systems with a focus on usability which is a key concept in HCI concerned with making systems easy to use, easy to learn, and safe. In this course the student learns the principles issues involved in good HCI design. The course covers a study of human cognition, perception, attention, and memory. The rest of the course involves a study of technologies ,

methods, and techniques, guidelines, and standards in support proper HCI design.

This course consist of 3 hours. 2 hours for theory and 2 hour for practical.

Course Objectives: To make the student understand the importance , nature and Process of HCI, how the various underlying disciplines of HCI contribute design, range of established and emerging theories , conceptual framework and methods of the human aspects of HCI.

Computer Networks (SICT 3408):

The goal of this course is to build a solid background for students in data communication and computer networks. The course covers the most essential components of the data networking architecture, we start with an introduction to computer networks, then we discuss some examples of networking applications such as email and the web. We spend most of the course with course subjects such as transport protocol, network layer and routing. By the end of the course we spend some time on link layer and local area networks, and then we conclude with network management.

Database Management I (SICT 3411):

Introduction to Database, Database Management System (DBMS) and Relational Database, Relational Algebra, Relational database analysis and design by using ER model, normalization and structural design, implementing relational database by using SQL language, and PL/SQL, Database Security, File Organization.

Computer Architecture and Assembly Language (CSCI 2410):

Basic Structure of computer Hardware, Addressing Methods and Machine Programming, Assembly- Languages Instructions , Models for Construction Programming , The processing unit, Input-Output Organization, The Memory Arithmetic, Pipeline . Computer Peripherals.

This course consist of 4 hours. 3 hours for theory and 2 hour for practical.

Course Objectives: Provide the students with suitable information for both hardware and software like Assembly Language program tools. It also helps the

student to understand systems that involve a variety of equipments ,such as interface, communication facilities , performance evaluation of the system components.

Automata Theory (CSCI 3304):

Languages, Formal Grammars, Finite-State Machines. Finite-State Languages, Limitations of Finite-Automata, Tape Automata, Pushdown Automata, Turning Machines. This course is 3 hours. 3 hours for theory.

Course Objectives: To provide the students with the concepts of Automata Theory.

Special Topics in Physics (CSCI 4307):

Topics to be selected by the departments.

Computer Graphics (CSCI 4402):

This course is an introduction to 2D and 3D computer graphics, the course concentrates on the mathematical and geometrical tools that are used in computer graphics. Topics studied in the course will include: scan conversion, 2D and 3D transformation and viewing, and projection. Students will understand and implement the computer graphics algorithms by the famous computer graphics packages such that: SRGP. Directx and Open Gl.

Artificial Intelligence (CSCI 4404):

This course studies the algorithms related to the development of intelligent software's that are able to behave intelligently. Some of those algorithms are related to search techniques, game playing, machine learning expert systems and natural language understanding. The course is also concerned with knowledge based systems.

Mobil Computing (SDEV 4411) :

Introduction to Mobile Device Application Development, Working with the User Interface, Working with Local Data, Accessing Remote Data, Creating Secure Applications for a Mobile Environment, Deploying Mobile Applications, Building a Sample Mobile Enterprise Application. This course consist of 4 hours. 3 hours theory and 2 hours lab.

Course Objectives:

1. To learn concepts, theories, and methods related to the mobile software projects.
2. To gain practical hands-on experience in design and implementation of mobile based software systems.
3. To learn currently available modern mobile computing devices and software techniques.
4. To use problem-based, interdisciplinary learning and collaboration on the platform of HP mobile devices and wireless network.
5. To provide each student a HP Pocket/Tablet PC for course project development in a multi-disciplinary team environment.

Real-Time Systems (SDEV 4415) :

The course has a main focus on architectural design of embedded control systems. In architectural design the overall structures of a system, in terms of its functionality, software and hardware, are decided in order to meet the system requirements. In general, an architecture defines the components of a system and how they are organized and integrated. This course attempts to provide a broad perspective to architectural design including requirements and architectures encompassing functions software and hardware. The examples are taken from application areas such as vehicles, medical equipment and robotics. This course is 4 hours. 3 hours theory and 2 hours lab.

Course Objectives: To give the students the principles Real-time systems, its architectural design and its applications. In this course, the students develop and implement projects without specified lab.

Concurrent Programming (CSCI 4416):

Introduce the programming language SR, busy wait algorithms, Semaphores, verification of concurrent software: dynamic testing, proof; model checking, CCR and monitors, asynchronous message passing, rendezvous and RPC, programming languages commonly used for concurrent programming, heartbeat and probe/echo algorithms. This course is 4 hours. 3 hours theory and 2 hours lab.

Course Objectives : This Course is designed to help the student to learn and develop an understanding of concurrent programming and its use in modern computer systems. This includes knowledge of concurrent execution, shared variables, synchronization primitives, higher level language constructs, message passing, remote invocation, and a range of well known paradigms of concurrent programming .

Decision Support Systems (SICT 3302):

This course examines a set of information systems which specifically support managerial decision makers. Includes Decision Support Systems, Group Decision Support Systems, Executive information Systems, Data warehouses, Expert Systems, and Neural Networks. The development, implementation, and application of these systems will be discussed, and how these systems can be applied to current business problems, as well as how organization issues impact the implementation and usage of these systems. This will involve developing conceptual knowledge of these systems as well as gaining practical experience with several software packages for decision support.

Multimedia Systems (SICT 3312):

Image files formats, image editing, and image editing tools.

Audio files formats, Audio recording and storing techniques, Audio files editing techniques.

Video files formats, Video recording and storing techniques, Video files editing techniques.

Multimedia files compression techniques. This course consist of 3 hours.

Course Objectives: To learn students modern techniques for storing and processing multimedia files.

Database Management Systems II (SICT 3412):

Database Administration, The Physical Database, Query Processing and optimization, Transaction management, Buffer management, Concurrent Control, Crash Recovery, Parallel database systems.

Teacher Preparation in Educational Technology and Applied Sciences

Introduction to Educational Technology TECH 2301

Topics include: development of the concept of educational technology, connecting the systems theory with the educational situations and the different trends in defining educational technology; the relationship between educational curriculum, educational technology and educational computer, internet in education, relationship between aids and Islamic educational thought and studying some mechanical and non-mechanical aids.

Design and Production of Teaching Aids I TECH 3201

Production of samples, three-dimensional models, magnetic and flannel boards, pocket-board and electrical boards and educational materials related and watching visual material on these teaching aids.

Design and Production of Teaching Aids II TECH 3202

Design and production of teaching aids and materials such as preparing show sets (transparency projector, slide projector and plaque projector); production of teaching materials such as all kinds of transparencies, slides and computing applications in production of slides.

General Chemistry I CHEM 1301

The concept of atom, mole, periodic table and properties of elements, chemical reactions in hydraulic solutions, acid-base reactions, oxidization- reduction reactions, dual reciprocation, electronic structure of an atom, chemical bonds, geometrical figures of chemical particles and gases properties and their laws .

General Chemistry II CHEM 1301

Status of material, the power of bonds among particles, properties of emulsion and solutions, thermodynamics, chemical balance in gases and aqua solutions, solubility, electro-chemistry, velocity of reactions.

General Chemistry (Lab) CHEM 1202

Experiments on the concept of mole, descriptive analysis of elements, thermo-chemistry, electro-chemistry, acid-base titration, titration in oxidation-reduction reactions, velocity of reactions and laws of gases.

Introduction to Computer Science CSCI 1301

History of computer, classification, computer hardware, numerical systems, codes, central processing unit, memory, input and output, computer programming, operating systems, Programming Languages, translators, computer networks and the internet.

Technology of Workshops ENGG 1103

Introduction, dangers and safety measures of workshops, metal engineering materials and properties, field experience on manual works, leveling, forming, electrical, hygienic and heating networking, wildering, lathe, carpentry and using appropriate tools for leveling and sawing and applications.

Bio-Technology BIOL 4300

Introduction and basic concepts of bio-technology as a multilateral scientific field, bio-technology and its environmental role, agriculture, pharmacology, industrial production, production and industry of foods, bio-technology and sources of the alternative energy, bio-technology and the third world and society and ethics of bio-technology.

Engineering Subjects EIND 2304

Atomic bonds, crystal: structure, distribution, motion, internal structure in balance, mechanisms of properties alteration, properties of metal materials, rust, corrosion, ceramics, polymers and properties.

Engineering Drawing ENGG 1204

Introduction to engineering drawing, drawing tools and usage, ways of writing letters and figures, drawing engineering figures (dot, line, angle, triangle, quadrilaterals, arches, circles, cones and curves), multifaceted projections, projections of complete sectors, half sectors, partial sectors and identical sectors, writing dimensions on engineering projections,

drawing objects from different projections and three-dimensional projections (isometric and oblique).

Energy Sources ENVT 4213

Nature, limits, consumption and environmental effects of the various energy sources (sun, wind, water and bio-energy), ground sources of energy petrol, coal and gas) and hydrogen and nuclear energy.

Introduction to Geology and Environment GEOL 1302

Geology (definition, history and development), Earth and cosmos, spheres of the Earth, internal process (earthquakes, volcanoes and tectonics), external process (weathering, uncovering and climate), Earth history (introduction to historical geology) and a summary on environmental geology.

Calculus I MATHA 1401

Characteristics of real numbers, limits, continuity, derivations, derivation rules & applications, finite & infinite integration, integration applications: areas, volumes and lengths of curves.

Calculus II MATHB 1401

Inverse functions, logarithmic and exponential functions, hyperbolic functions, integration methods, conic sections, curves, polar coordinates, infinite series.

Electronics PHYS 2320

Introduction into semiconductor material, Semiconductor diode {instruction and fabrication, Half wave and full wave rectification, Clippers , Clampers, Zener diode ,voltage multiplier circuit, Bipolar Junction transistor (common base common collector and common emitter configuration), Operating point ,fixed Bias circuits, transistor as amplifier , The equivalent circuits, transistor as the switch.

Electronics (Lab) PHYS 2121

Characteristic curve of silicon and germanium diodes , Rectification circuit (half and full wave), Zener diode characteristic curve , Clipping and clamping circuits , The transistor characteristic curves (common base – common

collector –common emitter) Transistor as amplifier (one stage – two stage), Transistor as the switch.

General Physics I PHYSA 1301

Units and vectors, linear motion, plane motion, Newton's laws of motions, curvilinear motion, work and energy, energy conservation law, curvilinear motion of rigid body, static "equilibrium", frequency motion, fluid mechanics.

General Physics II PHYSB 1301

Electric force between two charges, electric field, Gauss law, electric potential differences, condensers, direct current, , resistant and Ohm' law, magnetic field, Byott and Snert law, Amber's law, Farady's law, induction and self-induction, Rl & RLC circuits, amplitude current circuits, electromagnetic waves, Maxwell's equations.

General Physics I (Lab) PHYSA 1102

Experiments on Newton's laws, freefalling experiment, moment of inertia and circular motion, simple pendulum, Hawk's law, shear coefficient, central force, projectiles, energy conservation law.

General Physics II (Lab) PHYSA 1102

Isoelectric lines & electric field lines, Ohm's law, connection and measurement of resistance, condensers, amplitude current, resonance circuits, resistance variation with temperature.

Educational Computer CSCI 3307

This course aims at getting students acquire the information and skills in learning software, development of origins of programs through visual programs, design and application of program through various information channels and getting information from programming.

Multimedia I CSCI 1302

Introduction to the internet network, internet services, internet pages, ways of searching on the internet, types of photo files, introduction to editing photo files, tools used in editing photo files, types of audio files, ways of recording and saving audio files, editing and processing audio

files, introduction to web page design through HTML language and some helping tools.

Graduate Research TECH 4300

Copy model preparation in the field of applied sciences and technology.

Science and Technology in Society TECH 4301

Science and contemporary society: nature of science, scientific thinking, scientific enlightenment, science structure, aspects of scientific progress in society, factors that help in society scientific and technological progress, difficulties facing progress in society.

Multimedia II CSCIB 1202

Two-dimensional (2 D) scenes, three- dimensional (3 D) scenes, introduction to Dmax 3 program, modeling, animation, materials, lights and cameras. Technology and developing education in society: digital data transferring networks, developing education, television computer, e-books, e-mail informatics dialogue, video conferences, lectures on the internet, virtual, and the present society.

Design and Production of Video Programs TECH 4302

This course aims at providing students with sufficient experience to produce TV programs, both theoretically and practically, using montage, TV cameras.

Description of Courses of Counseling Psychology and Educational Guidance

Descriptive Statistics COUN 3202

Definition of statistics, variables and their different levels, probability distribution, representing distribution graphically and describing it numerically through central tendency and disperse, transforming data into standardized marks and ranks, Pearson correlation.

Introduction to Psychology and Life COUN 1301

Psychology, its nature, fields, research methods in psychology, human behavior, behavior biological bases, emotions, passions, motivation, individual differences and personality.

Physiological Psychology COUN 1302

Functions of human body systems and their relationships with behavior; nerve system (1) central representing brain and spinal cord, (2) peripheral representing different nerves, endocrines and their effects on emotional and psychological cases, explanation of sensory systems such as sense of seeing, sense of hearing, sense of touch, sense of skin, sense of taste, sense of smell and balance.

Principles of Counseling Psychology COUN 1305

Counseling process, and ethics of counselors, factors affected the counseling movement and history, kinds of problems facing individual, theories of counseling (Super, Rhode, Holland, etc.), counseling psychology in Islam.

Psychology of Play COUN 1203

Basic concepts and theories in Psychology of Play, measuring behaviors of play, using playing as learning device, meaning of play and various definitions, theories of play, relationship between playing and growth, imaginary play, play and miming, social play, play and individual differences, play and education, using play in counseling and therapy, play and entertaining with handicapped children, using parents as educational devices, models of play and materials of and their educational values.

Special Groups COUN 1303

Concepts of mental retarded and talented people, distribution of each, methods of education of each group, methods of adaptation and methods of counseling and teaching them.

Introduction to Computer CSCI 1301

History of computer, classification, computer hardware: set systems, codes, central processing unit, memory, input/ output, computer programming: operating systems, programming languages, translators, streamlined graphics, computer networks and the internet.

The practical side includes Windows system; Word- based editing texts and using the internet.

Islamic Scholars' Psychological Heritage COUN 2201

Psychology: comparative study between Islam and the West, human psyche, life, motivations and emotion, mental life and personality, psychological theory in Islam, psychological disorders and types of them; social, ideological and educational dimensions of psychology in Islam.

Family Counseling COUN 2302

Concept of family counseling, its philosophy, family relationships, family problems and methods and techniques of family counseling.

Interview in Counseling COUN 2304

Interview as one of the most important methods in diagnosis, psychotherapy and educational counseling; what it is, conditions, types, methods, analyzing results and its role in counseling and guidance.

Psychological and Counseling Texts in English COUN 2303

The purpose of this course is to enable students to get acquainted with Psychological terms and concepts in English. Emphasis is placed on strengthening comprehension and understanding psychological texts in English. Texts chosen for this purpose will be representative to the fields of educational and counseling psychology.

Experimental Psychology COUN 2314

Study of the principles of the experimental approach and characteristics which distinguishes it from other approaches of psychology. Introducing students to the components of the main experiment variables and measuring them, deriving and forming hypotheses, strategies of control and precision, training and running experiments and experiment design, lab and field experiments, writing the experiment report. Emphasis is placed on experiments made in the field of sensation, perception, memorization and experiments in the shadow of the Quran and Sunnah.

Psychology of Adjustment COUN 2301

Need for adjustment & purposes, concept & development of adjustment (in biology, sociology and in psychology), components of adjustment (personal and social), analysis of adjustment, relationship between adjustment and psychological health, harmony, good adjustment and bad adjustment, criteria used to distinguish between good and bad adjustments, methods used for good adjustment (scientific method in solving problems, training on relaxation, self- control, etc.), skills for adjustment in general, adjustment from Islamic point of view, the role of Islamic education in achieving adjustment and building a personality which is psychologically healthy.

Counseling Psychology for Teachers 3203

This course covers the skills and information necessary for teachers during school counseling; skills for problem-solving intervention and effective help, individual differences among students and upgrading teacher's ability to deal with psychological issues.

Clinical Psychology COUN 3302

The study of theories and methods in clinical psychology, historical background, its development, importance, its relations to other fields of psychology, clinical diagnosis (clinical interview, case study, clinical report writing), the most important tests and psychological scales used in clinical diagnosis: personal, objective and projective tests, classification of psychological disorders, measuring psychological and neurological functions and behavioral methods in evaluation, methods of psychotherapy (medical, electrical and analytical remedy, client-focused

remedy, behavioral remedy, existential remedy and play remedy), rehabilitation and protective remedy.

School Psychology COUN 3306

School psychology and the role of the counselor in school, compounds of school adjustment, psychology in school, fields of intervention and co-operation with teachers, methods and tools of intervention school, preparation of school counselors theoretically, practically and personally. Psychology in France, Switzerland, North America and the Soviet Union.

Psychological Tests COUN 3304

Principles and concepts pertaining to tests and their structure, psychological measures, validity and reliability of tests and effectiveness of items and criterion and ways of deriving them, affecting factors when applying them, how to draw results, conditions of application and ways of codification.

Psychology of personality COUN 3301

Basic concepts of psychology of personality, some tests used to measure personality, training on observing behavior and making use of it in forming hypotheses concerning personality, concept of personality and its nature, theories of personality (analytical, humanitarian, behavioral, etc.), any modern theories, development of personality (biological and social), personality evaluation, need for achievement, concept of self, aggressive personality and attractive authoritarian personality.

Psychological Diseases COUN 3305

Psychosomatic diseases, diseases of the digestive system, cardiac and vascular diseases, pulmonary system diseases, skin diseases, hormone disorders, urinary and genital diseases, contemporary psychosomatic diseases.

Intelligence COUN 2301

Basic concepts and information pertaining intellectual processes, individual differences and ways used to measure them, theories explaining results of these measurements, mental intellectual organizations which summarize dimensions of these theories and their relations with other components of human personality.

Educational and Vocational Guidance COUN 4202

The study of the basic concepts of educational and vocational guidance. Emphasis is placed on individual differences of personality, capabilities, energy, qualifications, tendencies, preparedness and attitudes and employing them in appropriate vocations.

Research Skills COUN 4204

Theoretical concepts of conducting researches in psychology and education. By the end of this course, students are required to present researches in one of the major fields according to scientific research methods.

Behavioral Therapy COUN 4301

This course covers the following topics: the most important therapeutic ways used in psychology, guidance and counseling, especially psychoanalysis and conceptual behavior and opinions of the Islamic scholars in this field.

Group Dynamics COOUN 4302

This course concentrates on individual behavior within groups through study and explaining relevant theories; concepts of the role of individual in groups, social operations such as cooperation, competition, adaptation and struggle and training them on group leadership and working in teams.

Religious Counseling COUN 4304

The concept of religious counseling in Islamic thought and its importance to human being- particularly in the present time- in consolidating ideologies, values and attitudes in harmony with Islamic thought, relationship with between religious counseling and counseling in the Western thought, how it is employed in tackling problems facing individuals and groups in society.

Contemporary Issues in Counseling Psychology COUN 4305

The latest researches and scientific developments, modern theories, opinions of Moslem scholars in psychology and counseling.

Theories of Counseling COUN 4303

Theory In family counseling, analytical theories in counseling psychology, domain theories, conceptual theory, behavioral theory and other theories, evaluating and comparing theories and thoughts of Moslem scholars in counseling.

Learning Difficulties COUN 4205

This course aims at introducing learning difficulties: reasons, types, diagnosing them. Emphasis is placed on the role of the counselor in talking these problems.

Counseling of Individuals with Special Needs COUN 2308

This course aims at getting students familiarized with individuals with special needs (mentally retarded, physically handicapped, gifted and intelligent persons), ways of treating them within team work, focusing on the role of educational psychological counseling and vocational guidance to treat them.

Creative Thinking COUN4207

Defining creative thinking, its types and relationship with intelligence, how to teach and train creative thinking, the relationship between creative thinking and other aspects such as leadership, ethics and identifying obstacles in creative thinking.

Special Topic COUN 4270

This course does not tackle a certain topic. It is up to the professors to choose a real psychological topic in the Palestinian society out of the current events to discuss scientifically and suggest solutions.

Psychological Tests (Lab) COUN 3104

This course aims at training students to use intelligence tests, personality tests, objective tests and projection tests in psychological lab. This course includes applications to compliment defects in theoretical framework.

Adult and Aging Psychology COUN 3205

Psychological aspects of adult and aging psychology, factors affecting growth, characteristics, problems methods of tackling.

School Counseling COUN 3310

This course covers school counseling, counseling skills in the field of school and how to deal with students' problems.

Islam and Psychology COUN 1307

Islam's view of psychology and human behavior, psyche concepts such as soul, mind in Holy Quran and Sunnah, building the Islamic personality and teaching methods in Islam.

Experimental Psychology (Lab) COUN 2105

This course covers the following topics: development of knowledge and skills in experimental psychology, experimental designs; experiments dealing with behavior such as: factor influencing behavior, attention and perception.

Child and Adolescent Psychology COUN 2301

This course deals different aspects of growth in child and adolescent stages, factors influencing them, characteristics of development, psychological facing children and teenagers and how to tackle them.

Psychology of Individual Differences COUN 4206

Topics: concepts of individual differences, factors influencing, distribution in society and educational applications.

Psycho-Therapy COUN 4306

Topics: concept of psychological therapy, methods of evaluating cases, how to choose the kind of psycho-therapy with focus on behavioral therapy.

Behavior Modification COUN 4208

This course includes the concept of behavior modification, techniques, review of some relevant theories and how to apply this in education and schools.

Adaptive Psychology:

This course contains the concept of adaptation, its dimensions and its relation with mental health for the individual, and the main factors which contribute in its arousing, and contains the conditions of right adaptation and its aspects and the dynamic factors in the process of adaptation, like frustration, conflict anxiety also contains the bases of adaptation and self defense mechanisms – and some psychological disorders – child adaptation – adolescent adaptation – religion and adaptation, and how a Hching to Islamic religion contribute in individual and group adaptation.

Special Needs counseling:

This course focuses on those with special needs, and make orientation for them, and the different classifications for gifted and handicapped, and concentration on the concepts of psychological counseling for special needs people, and the counselors care for their psychological characteristics that fit the quality of handicap with the concentration on suitable educational techniques in dealing with them, to rehabilitate and incorporate them in the society, guide the family members how to deal with the handicap and provide them with in formation about the nature of handicap and helping them to accept the handicapped.

Special subject:

This course contains subjects that have relationship to psychological counseling and mental health and psychology with different types. The subject will be chosen by the instructor, where he will chose the subject that deal with a psychological phenomenon or more which care the individuals of t he Palestinian community and the students too, and deal with it from different angles and sharing the students effectively in dealing with the special subject.

learning Difficulties:

This course contains disturbances the fundamental psychological and metal processes, like atte4ntion, perception finding concepts remembering, and problem solving, and its effects on students inability to read and to write and solve math. This course contains also different types for these difficulties and how to diagnose it and how to deal with it through the specialized team.

Training skills:

This course contains skilled practical aspects in psychological counseling, where there are training application and skills that have relationship to

guidance and psychological processes like indirect, direct, group, and individual counseling, and case – study and writing reports with different aspects, and preparing annual plans and counseling programs in school and psychological associations and forming the student psychological and cognitively for the field training through the study.

Adolescence and childhood psychology:

This course aims to contain the bases of psychological theory which distinguish the stages of adolescence and childhood, concentrating on the nature of problems for each stage, which delay the comprehensive development for those two important stage, for the life of human being.

This course will contain also the important counseling strategies in dealing with adolescents and children problems, in addition to providing counseling for parents how to deal with their children in order to detect and improve their abilities.

Aging and adult psychology:

This course shows the student the importance of aging and adulthood, and the history of interest in the psychology of adulthood, and the characteristics of cognitive, social, emotional, and physical development and the demands of adulthood and aging, and the adaptation in the middle of life, and the interest in the social, psychological and biological theories which contained aging, and the most important disease in aging stage, and the role of religion in this stage.

Social psychology:

This course contains the definition of social psychology, his importance and his history, and his relationship with psychology and other sciences. It contains also the psychological subjects with social dimension e.g. man culture, social upbringing, psychological security, psychological attitudes, general view, the psychology of laughing, the phenomenon of readership, rumor in the Arabic societies, and psychological war.

Clinical Psychology:

This course contains general definition of clinical psychology, its development and its importance and its relationship with the applied and Theoretical branches of psychology. Also it contains the elements of clinical interview and case study, and writing the psychological report, and to be acquainted with most important tests used in clinical diagnosis e.g. falling objective and theoretical tests.

Family counseling:

This course contains the beginning of family and its shapes, functions and comparing between the family old and recent, and the roles of the family, and the relations among its members, in addition to the common problems of the Palestinian family and to know therapeutic and counseling intervention techniques to solve its problems, through the study of family therapeutic theories and its techniques.

Research Methods:

This course contains the characteristics of science and the nature of scientific research, educational research and its obstacles, and enable the student to discriminate among the different educational researches, and know research tools, elements of the plan, and to getting the ability to design a plan, analyze criticize the pervious research plans.

Descriptive Statistics:

This course contains the ability to organize data and tabling it to be useful, and through this we can describe its nature and reality, and the use to central tendency measures to stand of the qualities of value e.g. mode mediana and mean and variance and get the student acquainted with norm degree and its calculation, and Pearson correlation coefficient, and Spearman correlation coefficient for the purpose of understanding the reality of data and the relation among them.

Psychiatry (COUN 3305):

This module includes, what is mental illness; How it developed, and how the student can start to study the case, and how he can fix diagnosis by using multi-axis diagnosis (DS TV), it includes some major disorder like the criteria and management of panic attack, Depression, Hysteria, schi3ophemia and mania.

psychotherapy (COUN 4306):

this module includes the meaning of psychotherapy and its effectiveness, also it includes the most important methods; like psychodynamic, Behavior and play therapy, psychodrama.

English Reading in psychology (COUN 4308):

The module includes series of articles and researches, and some recent studies in psychology, which published in English, language in the Palestine context, in addition the student has to know the most important terms in counseling and psychotherapy.

Intelligence (COUN 4302):

This module tackled the nature and growth of intelligence, and ways that through it we study intelligence, beside that the student has to get acquainted the theories of intelligence and I.Q. scales

Behavior modification (COUN 4208):

This module includes the concept of behavior modification according to learning theories, beside the practical implication of behavior modification which can be used in the field of counseling and with slow learner.

Counseling principles (COUN 1305):

This module tackles the basic principles of counseling, and its ethical principles, beside the development of temporary and Islamic counseling, the student also get acquainted with some counseling methods and theories.

Religious Counseling (COUN 4304):

This module includes some counseling implications that related to the concept of counseling in Islam, and the effect of religions beliefs in enhancing the mental health, beside that the relationship between recent counseling and Religion, besides that some techniques that are available in the Islamic approach according to "korran" and "Sonna".

Psychology of Personality (COUN 3301):

This module includes the personality definition, and old and recent personality theories, beside that the student had to get acquainted with the term from the Islamic perspective, and the term of normality and abnormality.

psychology of play (COUN 1203):

This includes the definition of this branch and its implications, and its and cognitive relation-ship with sound and, psychological, development, play theories, and its use in the educational and counseling fields, and how to use it in the kindergartens and school.

School Counseling (COUN 3303):

This module tackled the school adaptation, and the role of counselor in the school, and some counseling Techniques at school, and its tools and skills, the student has to know the school counseling elements; counselor, school

family, local community, parents, and these roles in achieving the school adaptation.

experimental psychology :

It includes the definition of Natured and psychological phenomena, experimentation and its history, elements, steps, the meaning of variables experiment and independent Variables, kinds of experiments and its interpretations beside that description of some experiments in perceptions. Moment and leaving and vasomotor co – ordinate.

psychological Testing :

this module include the definition of testing and its development the kinds of psychological tools, and its standardization, use and interpretation and its norms. Beside that there is practical aspect include that the student has get acquainted between 30 – 40 scaly that can use at counseling proceed at school.

research skills :

this module aimed to tell the student get experience in Research in the field of psychology. And counseling , This include to review the steps of Research steps, selecting a tropic to be tackled through scientific step training on **spss**, doing data entry and analysis and Report .

Description of Courses of Classroom Teacher Preparation (Basic Education)

Morphology and Syntax ARAB 1302

Parts of speech, indeclinable (المبني) and declinable (المعرب) with harakat and particles, the verb and its parts, Jussive and Accusative cases of present verbs, Conditional style, topics in morphological parameters, the Strong verbs and the Weak verbs and attributing them to pronouns, Nun of Emphasis and derivations.

General Mathematics I MATHA 1311

The Origin of numbers, systems of counting, sets, relations, natural numbers, number of elements, dual processes, addition and multiplication of real numbers, laws of deletion, primary numbers, analysis of numbers into prime factors, Algorithm of division, absolute values, identical relations, fraction numbers systems, addition and multiplication of fraction numbers, ordinary fractions, least common multiple, greatest common multiple.

General Mathematics II MATHB 1312

Properties of real numbers, addition, subtraction, division and multiplication of polynomials, greatest common factor, special formulas, analysis of polynomials, one variable first class and second class formulas, differentials, fractional quantities, inclination, structure of functions, fractional basis & roots, two linear equations and their solutions, polynomial curves, geometry, straight lines & points of bisection, different forms of straight line equations.

Principles of Counseling Psychology COUN 1305

Counseling process, and ethics of counselors, factors affected the counseling movement and history, kinds of problems facing individual, theories of counseling (Super, Rhode, Holland, etc.), counseling psychology in Islam.

Psychology of Play COUN 1204

Basic concepts and theories in Psychology of Play, measuring behaviors of play, using playing as learning device, meaning of play and various definitions, theories of play, relationship between playing and growth, imaginary play, play and miming, social play, play and individual differences, play and education, using play in counseling and therapy, play and entertaining with handicapped children, using parents as educational devices, models of play and materials of and their educational values.

General Biology BIOL 1311

Topics are: General classification of the kingdom of animals and plants, structure and function of macromolecules (carbohydrates, fat, proteins and nucleic acids), introduction to nutrition metabolism and cell division.

General Chemistry CHEM 1311

The concept of atom, mole, periodic table and properties of elements, chemical reactions in hydraulic solutions, acid-base reactions, oxidization- reduction reactions, dual reciprocation, electronic structure of an atom, chemical bonds, geometrical figures of chemical particles and gases properties and their laws .

General Physics PHYS1311

Topics are: Laws of motion and energy, laws of heat and ways of measuring it, engineering optics, solar system, annual calendar of earth, electricity and acoustics.

Geography of Palestine GOCR 1322

Natural conditions of Palestine (location, environment, topography, climate, water, natural plants, soil, population conditions such as settlement, architecture, population, economical conditions, geopolitical structure, problems facing people).

History of Palestine Through the Ages HIST 1231

Ancient history of Palestine, Palestine in the Islamic history (from the Omarian conquer till the Othman period), study of the Zionist scheme in the modern ages.

Arabic Syntax ARAB 2303

Subject and predicate, Inna & her sisters, Kana & her sisters, objects, subjects, derived subjects, object of specification, adverbial circumstantial.

Arabic Literature ARAB 2304

This course aims includes the following topics: Study of different periods of Arabic literature, study of literary genres, getting students recognize the most prominent figures in the Arabic literature in poems and prose.

Arabic Rhetoric and Texts ARAB 3305

This course aims at getting students acquainted with the most important poetry and prose texts containing the objects of the Arabic literature, these texts are analyzed artistically and objectively in addition to analyzing models of Quran and Hadith and indicating aspects of eloquence and rhetoric inimitability.

Arabic Language Skills ARAB 3306

A brief description of the art of the writing and composition, style of writing: rules of spelling, punctuation, principles of the Arabic calligraphy and its types.

Science and Technology in Society TECH 4301

Science and contemporary society: nature of science, scientific thinking, scientific enlightenment, science structure, aspects of scientific progress in society, factors that help in society scientific and technological progress, difficulties facing progress in society.

Introduction to Geology and Environment GEOL 1302

Geology (definition, history and development), Earth and cosmos, spheres of the Earth, internal process (earthquakes, volcanoes and tectonics), external process (weathering, uncovering and climate), Earth history (introduction to historical geology) and a summary on environmental geology.

Recitation and Cantillation HADT 1210

Study of recitation; the seven recitations; qualities of sounds, names of sounds; rules of "l", "r", "hemza", "t" of feminine; lengthening and shortening of vowels; starting, pausing and ending recitations, assimilation and its types.

Fiqh (Jurisprudence) of Worships I SHARA 1301

This course aims at introducing students to jurisprudence doctrines; definition of Fiqh; tahara (purification); ablution; washing; types of water; prayers and conditions; prayer of travelers, Friday prayer, prayers of feasts; prayer of the sick; funeral prayer.

Fiqh (Jurisprudence) of Transactions I SHARA 1311

It covers the study of definition of money and its types, usury and its legality according to Shari'a law, procession and its types, easement rights, causes of full procession, contract and its topics, peace and its legality according to Shari'a law.