

The NDU Gazette

A publication covering decisions taken at the BOD and UC meetings

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Issue Number Four, June-July-August 2008

Decisions Taken at BOD in June-July 2008

1. Cooperation between NDU & SLU: Doctor of Education Program

The BOD approved the proposal of: Doctor of Education Program between NDU and Saint Louis University. See Appendix I (July 9).

2.1 FAAD: GER (Architecture + Design & Music)

The BOD approved the FAAD GER. See Appendix II (July 9).

2.2. FBA&E: GER

The BOD approved the FBA&E GER. See Appendix III (July 9).

2.3. FE: GER

The BOD approved the GER proposal. See Appendix IV (June 5).

2.4. FH: GER

The BOD approved the FH GER. See Appendix V (July 9).

2.5. FNAS: GER

The BOD approved the FNAS GER. See Appendix VI (July 9).

2.6. FPSPAD: GER

The BOD approved the FPSPAD GER. See Appendix VII (July 9).

3.1. FAAD: Minors and New Courses

(June 25)

The BOD approved the proposal for a Minor in Studio Arts. See Appendix VIII.

The BOD approved the proposal for a Minor in Graphic Design. See Appendix IX.

The BOD approved the proposal for a Minor in Photography. See Appendix X.

3.2. FBA&E: Minors

The BOD approved the proposal to offer 9 minors in the FBA&E. See Appendix XI (June 18).

3.3. FH: Minor in Translation

The BOD approved the proposal of a Minor in Translation. See Appendix XII (June 11).

3.4. FH Minors in Arabic and English

The BOD approved the proposal to offer a Minor in Arabic and English. See Appendix XIII (June 20).

3.5. FNAS: Minors in GIS and Physics

The BOD approved the proposal to offer a Minor in GIS (June 11) and the proposal of a Minor in Physics. See Appendix XIV (June 25).

3.6. FPSPAD: Minors in Middle Eastern Studies and Peace and Conflict

The BOD approved the proposal of a Minor in Middle Eastern Studies (June 11) and the proposal to offer the 18 credit Minor in Peace and Conflict. See Appendix XV (June 20).

4. Sponsored Research Policy

The BOD approved the proposal of the Sponsored Research Policy and will enter into effect October 1st, 2008. See Appendix XVI.

**SAINT LOUIS UNIVERSITY, USA
NOTRE DAME LOUAIZE, LEBANON
Doctor of Education Program - Summer 2008**

Introduction

This collaborative Doctor of Education Program between the Department of Educational Leadership and Notre Dame University of Louaize was developed pursuant to a meeting between Father Lawrence Biondi, President of Saint Louis University and Father W. Moussa, President of Notre Dame University - Louaize, Lebanon on July 12, 2006. A Memorandum of Understanding specifically called for the development of a joint doctoral program in Education.

Rationale

Lebanese secondary school educators are more and more aware of the necessity to be up to date with best practice worldwide. In light of this conscious decision, the Catholic School Board requested that NDU develop an M.A. in Educational Leadership program which would be both intensive yet flexible in its time frame so as to suit mature, adult learners. It is thus logical that the Faculty of Humanities continue in this vision and offer the opportunity for experienced, adult administrators to work towards a Professional Doctorate of Education.

The MOU signed with SLU in July 2006 clearly stipulated that efforts were to be made towards a joint Doctorate level program in Education. This proposal represents the results of those negotiations and discussions.

Program Development

Over this past year, the program was developed through meetings, emails and telephone conversations between William T. Rebore, Chair of the Department of Educational Leadership and Higher Education at Saint Louis University and Dr. Carol Goff-Kfour, Dean of the Faculty of Humanities at Notre Dame. The program structure corresponds to the current Doctor of Education Program offered by the Department on the SLU Campus, and in conformance with the current policies of the Graduate School with only one exception. The following is a brief review of the program with an anticipated schedule.

1. Admission. – The current standards for admission to the Graduate School and the Department of Educational Leadership apply to this proposed program. Students will be required to submit all documents currently required for graduate admission to the doctoral program (Application, References, Transcripts, GRE Scores, Resume and Biographical Sketch). These documents will be reviewed by the Department's admission committee and a recommendation for admission will be made to the Graduate School. Notre Dame University will coordinate the collection of all admission documents and forward them to the Graduate School for processing.
2. Pre-requisites. – Pursuant to current Department requirements, students will be allowed to complete the six credit hour research prerequisites at Notre Dame University. This is consistent with current Department requirements allowing students to complete research prerequisites at another accredited university.
3. Delivery of the Coursework. – Students will take the same coursework currently required of all current Doctor of Education Students. The coursework will be completed in the following manner:

Courses To Be Offered at Notre Dame:

Student will be allowed to transfer nine credit hours taken at Notre Dame into the program. Currently six credit hours may be transferred from another University. **The additional three hours of transfer credit will require a variance to present Graduate School policy.** The students will take following courses:

School Law	3 Credit Hours
Politics of Education	2 Credit Hours
Internship-Superintendent	4 Credit Hours

School Law and Politics were selected to be taught at Notre Dame due to the cultural, political and legal difference between Education in Lebanon and the United States. Likewise, the field- based Internship would most appropriately be completed in a school in Lebanon.

Courses To Be Offered Through Saint Louis University:

The remaining twenty-nine hours will be taken through Saint Louis University using three different modalities: On-Line Courses, a Summer Session in Cyprus, and two Summer Sessions on the Saint Louis University Campus.

On-Line Courses

School and Community Relations	3 Credit Hours
Ethics of School Leadership	3 Credit Hours
Staff Development and Evaluation	3 Credit Hours
Project Guidance	1 Credit Hour (Spring second year)
Project Guidance	1 Credit Hour (Spring third year)

Cyprus

Six credit hours will be taught in Cyprus during the Summer 2009 Semester.

1st Summer Session (3 Weeks Cyprus)

Research: Topics in Educational Leadership	3 Credit Hours
School District Administration	3 Credit Hours

At the conclusion of this Summer Session, students will be grouped into project teams for the purpose of completing the doctoral project. Their advisor will also be appointed at that time.

Saint Louis University Campus

Students will be in full time residence during two Summer Semesters in St. Louis (Second and Third Summer Semesters). While in residence, they will take the following courses

Second Summer Semester (4 Weeks Saint Louis)

Human Resources Administration	3 Credit Hours
Managing the District Curriculum	3 Credit Hours
Doctoral Residency	0 Credit Hours

Third Summer Semester (5 Weeks Saint Louis)

Planning and Maintaining School Facilities	3 Credit Hours
Gateway Leadership Conference	2 Credit Hours
Project Guidance	1 Credit Hour
Doctoral Residency	0 Credit Hours

Comprehensive Examinations

The written preliminary examination will be administered by Notre Dame University during the Spring semester of the third year. The examination will be written and assessed by the faculty at SLU. The final oral examination will be conducted during the Summer Semester of the third year by Department Faculty.

Proposed Schedule

Prerequisites

To Be Taken At Notre Dame Fall 2008

	<u>Hours</u>	<u>Location</u>
RM-G410 Introduction to Inferential Statistics	3	NDU
RM-G520 General Research Methods	3	
OR		
EDR-A540 Qualitative Research	3	NDU
EDR-A593 Advanced Qualitative Research	3	

*Denotes Program for Students with Ed.S. Degree (28 Hours)

Spring 09

EDL-630 School Law	2	NDU
EDL-520 School/Community Relations	3	SLU(On-Line)

Summer 09

EDL-697 Research: Topics in Educational Adm.	3	SLU (Cyprus)
EDL-611 School District Administration/Leadership	3	SLU (Cyprus)

Selection of Project Protocol
Selection of Project Team
Appointment of Advisor and Committee

Fall 09

EDL-614 Politics of Education	3	NDU
EDL-620 Ethics of School Leadership	3	SLU (On Line)

Spring 2010

EDL-696 Project Guidance	1	SLU
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Summer 2010 (St. Louis Campus)

EDL-640 Human Resources Administration	3	SLU
EDL-645 Managing the District Curriculum	3	SLU
EDL-601 Doctoral Residency	0	

Fall 2010

EDL-584 Internship-Superintendent	4	NDU
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Spring 2011

EDL-696 Project Guidance	1	SLU
EDL-573 Staff Development and Evaluation	3	SLU

Final Draft of Doctoral Project Submitted to Committee
Written Comprehensive Examination
(Administered by Notre Dame University)

Summer 2011 (St. Louis Campus)

EDL-639 Gateway Leadership Conference	2	SLU
EDL-647 Planning School Facilities	3	SLU
EDL-696 Project Guidance	1	SLU

Oral Examination
Conferral of Degree

Faculty Members Suggested to Teach Courses

Research Methodology Courses

Dr. Kamal Abou Chedid

Dr. Paul Jahshan

School Law: Father Richard Bou Moussa, PhD

Politics of Education: Dr. C. Kfour

Internship: Drs. A. Malek, C. Sabieh,

Proposed Fees

NDU will charge \$333 per credit.

SLU will charge \$845 per credit.

Appendix II

Faculty of Architecture, Art and Design

Approved by the BOD on 8th July 2008

General Education Requirements - Design and Music (30 credits)

(to be reviewed at the end of the 2008-2009 academic year)

The following list shows the General Education Requirements (GER) for all students in the Faculty of Architecture, Art & Design entering Fall 2008 and thereafter. These requirements are in line with the NDU GER policy and are designed to meet the requirements of the accreditation bodies.

A. Communication Skills in English and Arabic

9 cr.

English (6 cr.)

ENL 213: Sophomore English Rhetoric

and

ENL 223: Communication Arts

or

ENL 230: English in the Workplace

Arabic (3 cr.)

ARB 211: Appreciation for Arabic Literature

ARB 212: Advanced Arabic Grammar

ARB 224: Arabic Literature and Human Thought

ARB 231: Technical Arabic

ARB 317: Themes of Modern Arabic Literature in Lebanon (20th century)

B. Philosophy and Religion

6 cr.

Religion (3cr.)

REG 213: Catholicism

REG 212: Religion and Social Issues

REG 314: Marriage and Family in the Catholic Church

REG 313: The Maronites: Faith and Cultural Heritage

Philosophy + Ethics (3cr.)

PHL 211: Logic and the Scientific Method

PHL 311: Ethics and the Modern World

POS 345: Ethics and Leadership

ENS 205: Environment, Society and Ethics

C. Cultural Studies and Social Sciences

6 cr.

HUT 305: Human Thought to 1500

HUT 306: Human Thought from 1500 to the Present

MUS 210: Music Appreciation

FAP 215: Art and Culture

ARP 215: Cultural Themes in Lebanese Ach.

COA 359: Media and Society

COA 315: World Cinema Survey

NTR 215: Foods and Nutrition of World Cultures
PSL 201: *Introduction to Psychology*
SOL 201: *Introduction to Sociology*
SOL 301: *Introduction to Anthropology*
BAD 201: *Fundamentals of Management*
ECN 200: *Survey of Economics*
ECN 211: *Principles of Micro Economics*
ECN 212: *Principles of Macro Economics*

D. Citizenship

3 cr.

HIT 211: History of Lebanon and the Middle East
POS 201: Introduction to Political Science
POS 210: Government and Institutions in Lebanon
POS 240: Law and Society
POS 319: Democracy and Human Rights
POS 337: Dialogue of Civilizations
IAF 301: Modern Political Ideologies

E. Science and Technology

6 cr.

CSC 201: Computer and Their Use
MAT 201: Fundamentals of Mathematics
MAT 202: Mathematics for Arts
MAT 204: Mathematics for Business & Eco. I
MAT 211: Discreet mathematics
STA 202: Statistics for Humanities
STA 210: Statistics for Business & Eco.
PHS 211: Principles of Physics
PHS 207: Development of Science and Technology
AST 201: Discovering Astronomy
CHM 211: Principles of Chemistry
ENS 201: Introduction to Environmental Science
ENS 202: Environment and Sustainable Development
ENS 206: Ecotourism
BIO 202: Mystery of Life
BIO 203: Discover Biology
HEA 201: Health Awareness
NTR 201: Basic Human Nutrition

F. Study and Learning Skills

0 cr.

FAAD - General Education Requirements - Architecture (27 credits)

(to be reviewed at the end of the 2008-2009 academic year)

The following list shows the General Education Requirements (GER) for all students in the Faculty of Architecture, Art & Design entering Fall 2008 and thereafter. These requirements are in line with the NDU GER policy and are designed to meet the requirements of the accreditation bodies.

A. Communication Skills in English and Arabic **9 cr.**

English (6 cr.)

ENL 213: Sophomore English Rhetoric

and

ENL 223: Communication Arts

or

ENL 230: English in the Workplace

Arabic (3 cr.)

ARB 211: Appreciation for Arabic Literature

ARB 212: Advanced Arabic Grammar

ARB 224: Arabic Literature and Human Thought

ARB 231: Technical Arabic

ARB 317: Themes of Modern Arabic Literature in Lebanon (20th century)

B. Philosophy and Religion **6 cr.**

Religion (3cr.)

REG 213: Catholicism

REG 212: Religion and Social Issues

REG 314: Marriage and Family in the Catholic Church

REG 313: The Maronites: Faith and Cultural Heritage

Philosophy + Ethics (3cr.)

PHL 211: Logic and the Scientific Method

PHL 311: Ethics and the Modern World

POS 345: Ethics and Leadership

ENS 205: Environment, Society and Ethics

C. Cultural Studies and Social Sciences **6 cr.**

HUT 305: Human Thought to 1500

HUT 306: Human Thought from 1500 to the Present

MUS 210: Music Appreciation

FAP 215: Art and Culture

ARP 215: Cultural Themes in Lebanese Arch.

COA 359: Media and Society

COA 315: World Cinema Survey

NTR 215: Foods and Nutrition of World Cultures

PSL 201: *Introduction to Psychology*

SOL 201: *Introduction to Sociology*

SOL 301: *Introduction to Anthropology*

BAD 201: Fundamentals of Management
ECN 200: Survey of Economics
ECN 211: Principles of Micro Economics
ECN 212: Principles of Macro Economics

D. Citizenship

3 cr.

HIT 211: History of Lebanon and the Middle East
POS 201: Introduction to Political Science
POS 210: Government and Institutions in Lebanon
POS 240: Law and Society
POS 319: Democracy and Human Rights
POS 337: Dialogue of Civilizations
IAF 301: Modern Political Ideologies

E. Science and Technology

3 cr.

CSC 201: Computer and Their Use
MAT 201: Fundamentals of Mathematics
MAT 202: Mathematics for Arts
MAT 204: Mathematics for Business & Eco. I
MAT 211: Discreet mathematics
STA 202: Statistics for Humanities
STA 210: Statistics for Business & Eco.
PHS 211: Principles of Physics
PHS 207: Development of Science and Technology
AST 201: Discovering Astronomy
CHM 211: Principles of Chemistry
ENS 201: Introduction to Environmental Science
ENS 202: Environment and Sustainable Development
ENS 206: Ecotourism
BIO 202: Mystery of Life
BIO 203: Discover Biology
HEA 201: Health Awareness
NTR 201: Basic Human Nutrition

F. Study and Learning Skills

0 cr.

P.S: Students of Architecture major cannot take the following courses as GER: CSC 201, MAT 201 and MAT 202.

Faculty of Business Administration and Economics

General Education Requirements (30 credits)

The following list shows the General Education Requirements (GER) for all students in the Faculty of Business Administration and Economics entering Fall 2008 and thereafter.

I. **Communications Skills** **9 cr.**

English (6 cr)

ENL 213: Sophomore English Rhetoric

And

ENL 223: Communication Arts

Or

ENL 230: English in the workspace

Arabic (3 cr)

ARB 211: Appreciation for Arabic Literature

ARB 212: Advanced Arabic Grammar

ARB 224 Arabic Literature and Human Thought

ARB 231: Technical Arabic

ARB 317 Themes of Modern Arabic Literature in Lebanon (20th century)

II. **Philosophy and Religion** **6 cr.**

Religion (3 cr)

REG 212: Religion and Social Issues

REG 213: Catholicism

REG 313: The Maronites: Faith and Cultural Heritage

REG 314: Marriage and Family in the Catholic Church

Philosophy + Ethics (3 cr)

ENS 205: Environment, Society and Ethics

PHL 211: Logic and the Scientific Method

PHL 311: Ethics and the Modern World

POS 345: Ethics and Leadership

III. **Cultural Studies and Social Sciences** **6 cr.**

A- Cultural Studies (3 cr)

HUT 305: Human Thought to 1500

HUT 306: Human Thought from 1500 to the present

MUS 201: Music Appreciation

FAP 215: Art and Culture

COA 359: Media and Society

COA 315: World Cinema Survey

NTR 215: Foods and Nutrition of World Cultures

ARP 215: Cultural Themes in Lebanese Architectural

B- Social Sciences (3 cr)

PSL 201: Intro to Psychology

SOL 201: Intro to Sociology

SOL 301: Introduction to Anthropology

BAD 201: Fundamentals of Management

ECN 200: Survey of Economics

ECN 211: Principles of Microeconomics

ECN 212: Principles of Macroeconomics

IV. Citizenship 3 cr.

Choose one course (3 cr) of the following:

HIT 211: History of Lebanon & the Middle East

POS 201: Introduction to Political Science

POS 210: Government and Politics in Lebanon

POS 240: Law and Society

IAF 301: Modern Political Ideologies

COA 350: Current Issues

POS 319: Democracy and Human Rights

POS 337: Dialogue of Civilizations

V. Science and Technology 6 cr.

Choose one course of the following

Mathematics/Statistics/Computer Science (3 cr)

CSC 201: Computer and their Use

MAT 201: Fundamentals of Mathematics

MAT 204: Mathematics for Business and Economics I

Natural Sciences (3 cr)

PHS 211: Principles of Physics

PHS 207: Development of Science and Technology

AST 201: Discovering Astronomy

CHM 211: Principles of Chemistry

ENS 201: Introduction to Environmental Science

ENS 202: Environment and Sustainable Development

ENS 206: Ecotourism

GEO 202: Geology for Architects

GEO 203: Introduction to Geology

BIO 202: Mystery of Life

BIO 203: Discover Biology

HEA 201: Health Awareness

NTR 201: Basic Human Nutrition

Appendix IV

Faculty of Engineering - General Education Requirements (27 credits)

The following list shows the General Education Requirements (GER) for all students in the Faculty of Engineering entering in Spring 2009 and thereafter.

I. Communication Skills: 9 cr.

A: English (6cr.)

ENL 213: *Sophomore English Rhetoric*

and

ENL 223: *Communication Arts*

or

ENL 230: *English in the Workplace*

B: Arabic (3 cr.)

One course from:

ARB 211: *Appreciation of Arabic Literature*

ARB 212: *Advanced Arabic Grammar*

ARB 224: *Philosophy and Literature*

ARB 231: *Technical Arabic*

ARB 317: *Modern Arabic Literature in Lebanon*

II. Philosophy and Religion 6 cr

A: Religion (3cr.)

REG 212: *Religion and Social Issues*

REG 213: *Catholicism*

REG 313: *The Maronites, Faith and Cultural Heritage*

REG 314: *Marriage and Family in the Catholic Church*

B: Philosophy¹ (3cr.)

One course from:

ENG 310: *Ethics in Engineering*

ENS 205: *Environment, Society and Ethics*

PHL 311: *Ethics and the Modern World*

POS 345: *Ethics and Leadership*

III. Cultural Studies and Social Sciences 6 cr.

One course from:

ARP 215: *Cultural Themes in Lebanese Architecture*

COA 359: *Media and Society*

COA 315: *World Cinema Survey*

FAP 215: *Art & Culture*

HUT 305: *Human Thought to 1500*

HUT 306: *Human Thought from 1500 to the Present*

LIR 214: *Introduction to Literary Genres*

MUS 201: *Music Appreciation*

NTR 215: *Foods and Nutrition of World Cultures*

PSL 201: *Introduction to Psychology*
SOL 201: *Introduction to Sociology*
SOL 301: *Introduction to Anthropology*

One course from³:

BAD 201: *Fundamentals of Management*
ECN 200: *Survey of Economics*
or ECN 211: *Principles of Microeconomics*
or ECN 212: *Principles of Macroeconomics*
ENG 210: *Introduction to Engineering Economy*

IV. Citizenship:

3 cr.

One course from:

HIT 211: *History of Lebanon and the Middle East*
POS 201: *Introduction to Political Science*
POS 210: *Government and Institutions of Lebanon*
POS 240: *Law and Society*
POS 319: *Democracy and Human Rights*
POS 337: *Dialogue of Civilizations*
IAF 301: *Modern Political Ideologies*

V. Science and Technology:

3 cr.

One course from:

AST 201: *Discovering Astronomy*
BIO 202: *Mystery of life*
BIO 203: *Discover Biology*
HEA 201: *Health Awareness*
ENS 201: *Introduction to Environmental Science*
ENS 202: *The Environment and Sustainable Development*
ENS 206: *Ecotourism*
NTR 201: *Basic Human Nutrition*
PHS 207: *Development of Science and Technology*

Or a total of 3 credits from:

HEA 203: *Health Assessment (2 cr.)*
CHM 271: *Principles of Chemistry Laboratory (1 cr.)*
CSC 270: *Computer-Aided Engineering Design (1 cr.)*
PHS 271: *Electricity and Magnetism Laboratory (1 cr.)*
PHS 272: *Modern Physics Laboratory (1 cr.)*

VI. Study and Learning Skills

0 cr.

1. Engineering students can satisfy the Philosophy requirement by taking ENG 310: Ethics in Engineering
2. Engineering Students who take ENG 210: Introduction to Engineering Economy can substitute it for one of the economics courses.

Note:

Old students with ID numbers 2007 or earlier have to take 24 credits in GER courses.

These students can take any course listed above (if not already taken) as part of their two GER free electives on condition of not taking more than one Arabic course.

Faculty of Humanities
General Education Requirements (33 credits)

I. Communication Skills: 9 cr.

English (6 cr.)

ENL 213: *Sophomore English Rhetoric*

and

ENL 223: *Communication Arts*

or

ENL 230: *English in the Workplace*

Arabic (3 cr.) One course from:

ARB 211: *Appreciation for Arabic Literature*

ARB 212: *Advanced Arabic Grammar*

ARB 224: *Arabic Literature and Human Thought*

ARB 231: *Technical Arabic*

ARB 317: *Themes of Modern Arabic Literature in Lebanon (20th century)*

II. Philosophy and Religion 6 cr.

A. Religion (3cr.)

REG 213: *Catholicism*

REG 212: *Religion and Social Issues*

REG 314: *Marriage and Family in the Catholic Church*

REG 313: *The Maronites: Faith and Cultural Heritage*

B. Philosophy and Ethics (3cr.)

PHL 211: *Logic and the Scientific Method*

PHL 311: *Ethics and the Modern World*

POS 345: *Ethics and Leadership*

ENS 205: *Environment, Society and Ethics*

COA 360: *Media Ethics*

III. Cultural Studies and Social Sciences 6 cr.

Choose two courses from the following:

HUT 305: *Human Thought to 1500*

HUT 306: *Human Thought from 1500 to the Present*

LIR 214: *Introduction to Literary Genres*

MUS 201: *Music Appreciation*

FAP 215: *Art and Culture*

ARP 215: *Cultural Themes in Lebanese Ach.*

COA 359: *Media and Society*

COA 315: *World Cinema Survey*
NTR 215: *Foods and Nutrition of World Cultures*

PSL 201: *Introduction to Psychology*
SOL 201: *Introduction to Sociology*
SOL 301: *Introduction to Anthropology*
BAD 201: *Fundamentals of Management*
ECN 200: *Survey of Economics*
ECN 211: *Principles of Micro Economics*
ECN 212: *Principles of Macro Economics*

V. Citizenship

6 cr.

Two courses from the following pool:

POS 201: *Introduction to Political Science*
HIT 211: *History of Lebanon and the Middle East*
POS 210: *Government and Politics in Lebanon*
POS 212: *Political History of the Near East until WWI*
POS 240: *Law and Society*
IAF 301: *Modern Political Ideologies*
COA 350: *Current Issues*

V. Science and Technology

6 cr.

Mathematics/Statistics/Computer Science (3 cr.):

CSC 201: *Computer and Their Use*
CSC 202: *Computers for Visual Arts*
CSC 203: *Introduction to Programming*
MAT 201: *Fundamentals of Mathematics*
MAT 202: *Mathematics for Arts*
MAT 204: *Mathematics for Business and Economics I*
MAT 211: *Discrete Mathematics*
STA 202: *Statistics for Humanities*
STA 206: *Applied Statistics for Business and Economics I*

Natural Sciences (3cr.):

PHS 211: *Principles of Physics*
PHS 207: *Development of Science and Technology*
AST 201: *Discovering Astronomy*
AST 210: *Introduction to Astronomy and Astrophysics*
CHM 211: *Principles of Chemistry*
ENS 201: *Introduction to Environmental Science*
ENS 202: *Environment and Sustainable Development*
ENS 205: *Environment, Society and Ethics*
ENS 206: *Ecotourism*
GEO 202: *Geology for Architects*
GEO 203: *Introduction to Geology*

BIO 202: *Mystery of Life*
BIO 203: *Discover Biology*
HEA 201: *Health Awareness*
NTR 201: *Basic Human Nutrition*
NTR 210: *Foods and Nutrition of World Cultures*

VI. Study and Learning Skills

0 cr.

Notes:

1. Students majoring in Psychology (degree requirements 90 credits as per government decree/ NDU program requirements: 97 will take 30 credits of GERs as per BOD decision 2008.
Psychology students will be required to take 3 credits from the Cultural and Social Sciences category. Psychology students may satisfy their Cultural and Social Science requirement with any course other than PSL 201.
Psychology students must take STA 202 as 3 credits of the GER Science and Technology requirements
2. Mass Communication students may satisfy their Philosophy requirement by taking COA 360 Media Ethics.
3. Mass Communication students may satisfy 3 credits of their Citizenship requirements by taking COA 350: Current Issues.
4. COA courses listed in the Cultural Studies and Social Sciences category do not satisfy GER requirements for Mass Communication degree students. These courses must only be taken as core or major courses.
5. Mass Communication students must take STA 202 as 3 credits of the GER Science and Technology requirements.
6. Education students must take STA 202 as 3 credits of the GER Science and Technology requirements.
7. ARB 212 does not count as a GER Arabic course where it is a part of the major requirements.
8. Students majoring in English may not take LIR 214 to satisfy a GER requirement.

Faculty of Natural and Applied Sciences

General Education Requirements

(Approved by the BOD on July 21, 2008)

I – Total Number of Required GER credits for FNAS Majors as of October 1st, 2008

Department of Computer Science

- BS in Business Computing (91 credits) **30 cr.**
- BS in Computer Science (104 credits) 33 cr.
- BS in Computer Science (concentration: Computer Information Systems) (102 credits)
- BS in Computer Science (concentration: Computer Graphics & Animation) (108 credits)
- BS in Geographical Information Systems (90 credits) **30 cr.**

Department of Mathematics and Statistics

- BS in Actuarial Science and Insurance (112 credits) **30 cr.**
- BS in Applied Statistics (90 credits) **30 cr.**
- BS in Mathematics (concentration: Pure Mathematics) (103 credits) 33 cr.
- BS in Mathematics (concentration: Mathematics Education) (103 credits)
- BS in Mathematics (concentration: Computational Mathematics) (103 credits)

Department of Sciences

- BS in Biology (102 credits) 33 cr.
- BS in Biology (concentration: Biotechnology) (102 credits)
- BS in Biology (concentration: Environmental Biology) (102 credits)
- BS in Chemistry (98 credits) **30 cr.**
- BS in Chemistry (concentration: Industrial Chemistry) (98 credits)
- BS in Chemistry (concentration: Environmental Chemistry) (98 credits)
- BS in Chemistry (concentration: Pharmaceutical Chemistry) (98 credits)
- BS in Physics (95 credits) **30 cr.**
- BS in Environmental Science (104 credits) 33 cr.
- BS in Medical Laboratory Technology (103 credits) **30 cr.**
- BS in Nutrition and Dietetics (94 credits) **30 cr.**

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II – Distribution of GER courses among the categories for FNAS Majors as of October 1st, 2008

II.A) Computer Science, Mathematics, Biology, Environmental Science: (33 credits)

Students majoring in Computer Science are not allowed to count CSC courses within the pool of required GER courses.

Students majoring in Mathematics are not allowed to count MAT courses within the pool of required GER courses.

Students majoring in Biology are not allowed to count BIO courses within the pool of required GER courses.

Students majoring in Environmental Science are not allowed to count ENS courses within the pool of required GER courses.

A – Communication Skills in English and Arabic

- Two courses from the subcategory *English (6 cr.)* along the lines set in the GER policy adopted on July 7, 2007.
- One course from the subcategory *Arabic (3cr.)*.

B – Philosophy and Religion

- One course from the subcategory *Religion (3cr.)*
- One course from the subcategory *Philosophy (3cr.)*

C – Cultural Studies

- One course from the category *Cultural Studies (6 cr.)*

D – Citizenship

- Two courses from the category *Citizenship (6 cr.)*

E – Science and Technology

- One course from the subcategory *Mathematics/Statistics/Computer Science (3 cr.)*
- One course from the subcategory *Natural Sciences (3 cr.)*

II.B) Business Computing, Geographic Information Systems, Applied Statistics: (30 credits)

Students majoring in Business Computing are not allowed to count CSC courses within the pool of required GER courses.

Students majoring in Geographic Information Systems are not allowed to count GIS courses within the pool of required GER courses.

Students majoring in Applied Statistics are not allowed to count STA courses within the pool of required GER courses.

A – Communication Skills in English and Arabic

- Two courses from the subcategory *English (6 cr.)* along the lines set in the GER policy adopted on July 7, 2007.
- One course from the subcategory *Arabic (3cr.)*.

B – Philosophy and Religion

- One course from the subcategory *Religion (3cr.)*
- One course from the subcategory *Philosophy (3cr.)*

C – Cultural Studies

- Two courses from the category *Cultural Studies (6 cr.)*

D – Citizenship

- Two courses from the category *Citizenship (6 cr.)*

E – Science and Technology

- One course from the subcategory *Natural Sciences (3 cr.)*

II.C) Physics, Chemistry: (30 credits)

Students majoring in Physics are not allowed to count PHS courses within the pool of required GER courses.

Students majoring in Chemistry are not allowed to count CHM courses within the pool of required GER courses.

A – Communication Skills in English and Arabic

- Two courses from the subcategory *English (6 cr.)* along the lines set in the GER policy adopted on July 7, 2007.
- One course from the subcategory *Arabic (3cr.)*.

B – Philosophy and Religion

- One course from the subcategory *Religion (3cr.)*
- One course from the subcategory *Philosophy (3cr.)*

C – Cultural Studies

- Two courses from the category *Cultural Studies (6 cr.)*

