



October 4, 2018

Division Memorandum
No. 684 s, 2018

PROGRAM OFFERINGS OF THE UNIVERSITY OF THE PHILIPPINES OPEN UNIVERSITY

1. For the information and guidance of all concerned, attached is Regional Memorandum No. 726 s. 2018, dated October 2, 2018, entitled “ **Program Offerings of the University of the Philippines Open University**”.
2. For details, refer to the attached Memorandum.
- 3.. Immediate dissemination of this Memorandum is desired.

By:

RHEA MAR A. ANGTUD, ED. D., CESO VI
Schools Division Superintendent

For:

ASST. SCHOOLS DIVISION SUPERINTENDENT



REPUBLIKA NG PILIPINAS
KAGAWARAN NG EDUKASYON
DEPARTMENT OF EDUCATION
REHIYON VII, GITNANG VISAYAS
REGION VII, CENTRAL VISAYAS
Sudlon, Lahug, Cebu City



OCT 02 2018

REGIONAL MEMORANDUM
No. 0726 s. 2018

PROGRAM OFFERINGS OF THE UNIVERSITY OF THE PHILIPPINES
OPEN UNIVERSITY

To : Schools Division Superintendents/OICs

1. Enclosed is a communication from Dr. Joane V. Serrano, Director, Information Office, University of the Philippines Open University, dated August 24, 2018 relative to the Program Offerings of the University of the Philippines Open University.
2. For details, refer to the attached communication, and other related documents.
3. For the appropriate action of all concerned.

Juliet A. Jeruta
JULIET A. JERUTA, Ph.D., CESO IV
Director IV

JA/STJ/MGB/srb

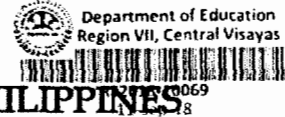
Office of the Director (ORD), Tel. Nos.: (032) 231-1433, 231-1309, 414-7199, 414-7325; Office of the Assistant Director, Tel. No.: (032) 255-4542
Field Technical Assistance Division (FTAD), Tel. Nos.: (052) 414-7324; Curriculum Learning Management Division (CLMD), Tel. Nos.: (032) 414-7323
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Education Support Services Division (ESSD), Tel. No.: (032) 254-7062; Planning, Policy and Research Division (PPRD), Tel. Nos.: (032) 233-0080,
414-7065; Administrative Division, Tel. Nos.: (052) 414-7326, 414-4367, 414-7366, 414-7322; 414-4367
Finance Division, Tel. Nos.: (032) 256-2375, 253-0081, 414-7321

"EFA 2015: Karapatan ng Lahat, Pananagutan ng Lahat"



Information Office

UNIVERSITY OF THE PHILIPPINES
OPEN UNIVERSITY



PD

Los Baños, Laguna 4031
(6349) 536 6001 to 6006 loc 710, 351; 536 5992

24 August 2018

Juliet A. Jeruta
Regional Director (OIC)
DepEd Region 7 Sudlon
Lahug, Cebu City

Dear Dir. Jeruta:

We would like to share with you the program offerings of the **University of the Philippines Open University (UPOU)** which we think might interest you and your staff. The UPOU is the fifth constituent unit of the University of the Philippines (UP) System. We are the pioneer in online teaching and learning, and continues to play a leading role in the study and practice of open learning and distance education in the Philippines.

The UPOU is mandated by Republic Act 10650 (Open Distance Learning Act) to assist relevant national agencies, higher educational institutions and technical and vocational institutions in developing their distance education programs through training, technical assistance, research and other academic and professionalization programs. It is mandated to contribute toward upgrading the national education system of the country by developing innovative instructional strategies and technologies, and sharing these with other colleges and universities.

To date, the UPOU offers **three undergraduate and 27 graduate programs** which applicants can choose from ranging from communication, education, health, social work, information technology, environment and management studies.

We also offer **non-formal courses** that cater to the needs of the modern and professional society. The UPOU has also pioneered the **Massive Open Online Courses (MOOC)** in the Philippines. Massive Open Online Courses (MOOCs) are web-based courses that are designed for unlimited participation by learners and are open to the public for free. Massive Open Distance e-Learning (MODEL) is the UPOU's platform for Massive Open Online Courses (MOOCs). We currently offer categories & certification series in various disciplines. Commission on Higher Education endorses Massive Open Online Courses to interested participants from Higher Education Institutions (HEIs).

As part of its thrust to make learning more accessible to the larger community, the UP Open University launched the **UPOU Networks** (<http://upounetworks.net>) in 2010. The UPOU Networks is the online repository of all multimedia resources produced by UPOU which can be accessed for free.

We hope that this communication helped you recognized the UP Open University and its services as an educational opportunity for lifelong learning. The Open and Distance eLearning mode of learning gives people the chance to learn without living their home and work place.

For more details about the UPOU, you may visit our website at www.upou.edu.ph. For inquiries, you may email us at inquiries@upou.edu.ph.

We look forward to hearing from you and if you require any more information from us please do not hesitate to email us. Thank you.

Sincerely,

Dr. Joane V. Serrano
Director
Information Office
University of the Philippines
Open University

Massive Open Online Courses (MOOCs) 2018

January-February

- Blended Teaching and Learning Using OERs (6 Jan-2 Feb 2018)
- Teaching and Learning with Modern ICTs (6 Jan-16 Feb 2018)
- Quality Assurance in ODeL (22 Jan - 24 Feb 2018)
- ODeL 101: Introduction to ODeL (22 Jan - 24 Feb 2018)

March

- Strategic Planning in ODeL (5 Mar-7 Apr 2018)
- Designing Learning in ODeL (5 Mar-7 Apr 2018)

April-May

- Content Development for ODeL (16 Apr-19 May 2018)
- Assessment of Learning in ODeL (16 Apr-19 May 2018)
- Quality Assurance in ODeL (16 Apr-19 May 2018)

June

- Business Analytics Concepts and Frameworks (04 Jun-30 Jun 2018)
- Introduction to Database Management Systems (04 Jun-30 Jun 2018)
- Social Entrepreneurship (4 Jun-30 Jun 2018)
- CP_ODeL 101: Introduction to ODeL (13 Jun-01 Jul 2018)

July

- Database Management and Business Analytics Applications (02 Jul-28 Jul 2018)
- Knowledge Discovery in Databases (02 Jul-28 Jul 2018)
- Quality Assurance in ODeL (9 Jul-11 Aug 2018)
- Designing Learning in ODeL (9 Jul-11 Aug 2018)

August

- The Kimball Lifecycle (06 Aug-31 Aug 2018)
- Supervised Learning: Classification Methodologies (06 Aug-31 Aug 2018)
- Introduction to Predictive Analytics and Analytics Modelling & Data Pre-Processing (06 Aug-31 Aug 2018)

- Introduction to R programming (06 Aug-31 Aug 2018)
- Strategic Planning in ODeL (20 Aug-22 Sept 2018)
- Content Development for ODeL (20 Aug-22 Sept 2018)
- Learner Support in ODeL (20 Aug-22 Sept 2018)

September

- Data Warehousing and Dimensional Modeling (03 Sep-28 Sep 2018)
- Supervised Learning: Regression Methodologies (03 Sep-28 Sep 2018)
- Supervised & Unsupervised Learning (03 Sep-28 Sep 2018)
- Using Spreadsheets for Analytics (03 Sep-28 Sep 2018)

October

- Assessment of Learning in ODeL (01 Oct-4 Nov 2018)
- Technology in ODeL (01 Oct-4 Nov 2018)
- Introduction to Descriptive Analytics (01 Oct-20 Oct 2018)
- Unsupervised Learning Methodologies (01 Oct-20 Oct 2018)
- Introduction To Prescriptive Analytics And Operations Research Overview (01 Oct-26 Oct 2018)
- Introduction to Business Intelligence Tools (01 Oct-26 Oct 2018)
- Data Pre-processing (22 Oct-24 Nov 2018)
- Risk Analysis & Ethics (29 Oct-23 Nov 2018)

November

- Data Visualization and Communication (26 Nov-21 Dec 2018)
- Finance and Accounting Analytics (26 Nov-21 Dec 2018)

2019

- Prescriptive Analytics: Formulating and Solving Linear Programming Models (14 Jan-08 Feb 2018)
- Prescriptive Analytics: Transportation, Transshipment and Assignment Problems (11 Feb-08 Mar 2019)
- Prescriptive Analytics: Network Problems (11 Mar-05 Apr 2019)



UPOU NETWORKS MOBILE APP

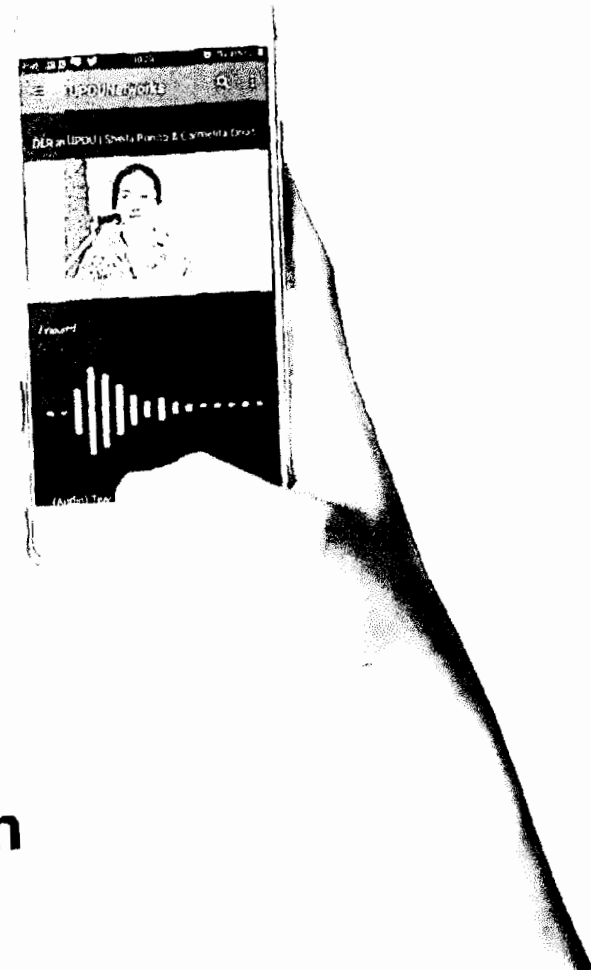
Learning starts here.

Lets you access hundreds of UPOU educational materials for free, anytime, anywhere. These include open educational resources, videos, podcasts, and PDFs. Through the app, you can get to watch UPOU lectures and events streamed on real-time.






Download the mobile UPOU NETWORKS App for **free**.



<http://networks.upou.edu.ph>



How to Apply for Admission to UPOU Programs

1	2	3	4												
Qualification to the Program	Documentary Requirements	Submitting the Application	Application Result												
 <p>What program will I take? Am I qualified to this program?</p> <ul style="list-style-type: none"> Check our list of programs Read the admission qualifications for each program <p>Do I have to take an admission exam? YES! You will be informed through email whether or not you are qualified or exempted to take the admission exam.</p> <p>Programs With Admission Test:</p> <ul style="list-style-type: none"> Programs with admission test: All undergraduate programs (AA, BAMS, BES) PHD in Education (PHD ED) Master of Public Management (MPM) Programs with Qualification Exam (QE): Master of Arts in Language and Literacy Education (MLLE) Master of International Health (MIH) <p>How much is the application and Tuition fee?</p> <table border="1"> <thead> <tr> <th></th> <th>Local Applicants</th> <th>Applicants based abroad</th> </tr> </thead> <tbody> <tr> <td>UNDERGRADUATE</td> <td>Php 350.00</td> <td>USD 75.00</td> </tr> <tr> <td>DIPLOMA/MASTERS</td> <td>Php 500.00</td> <td>USD 100.00</td> </tr> <tr> <td>DOCTORAL</td> <td>Php 500.00</td> <td>USD 100.00</td> </tr> </tbody> </table> <p>Tuition Fee is PHP1,000/unit or 8,000 to 14,000/sem</p>		Local Applicants	Applicants based abroad	UNDERGRADUATE	Php 350.00	USD 75.00	DIPLOMA/MASTERS	Php 500.00	USD 100.00	DOCTORAL	Php 500.00	USD 100.00	 <p>What are the documents I need to submit for my admission application?</p> <p>Prepare the document:</p> <ul style="list-style-type: none"> required by the Office of the Registrar (OUR) required by the program you have chosen <p>Visit our.upou.edu.ph for the list of documentary requirements.</p> <p>Note:</p> <ul style="list-style-type: none"> Check the list of valid TOR Make sure that you keep your proof of payment Submit all documents required to avoid delays in the evaluation of your application for admission 	 <p>How and where should I send the documents?</p> <p>Submit your application through Online Admission System (OAS) and submit your original documents to the Office of the Registrar (OUR).</p> <p>The Admission Section Office of the University Registrar UP Open University Lot 1, Barot, Laguna 4031 Philippines</p> <p>When should I submit the documents?</p> <ul style="list-style-type: none"> Check the UPOU Academic Calendar Check if the program you are taking is offered in SEMESTRAL or TRIMESTRAL Programs offered in trimestral are Undergraduate Programs: PTC, MDE and GCDF. All other programs are offered in semestral <p>There is NO 2nd Semester intake for the following programs: @Diploma in International Health @Diploma in Computer Science @Master of Information Systems @Master of Arts in Nursing @Master of Development Communication @Doctor of Communication</p>	 <p>How would I know that I am admitted?</p> <ul style="list-style-type: none"> Monitor the progress of your application in your Online Admission System (OAS) account. An official notice of admission will be sent through your email. Wait for the result of your application two weeks before the registration period of each term. The list of admitted students will also be posted at the OUR microsite. <p>For more inquiries, please email admissions@upou.edu.ph</p> <p>UPOU Academic Term Dates</p> <p>TRIMESTER 1st - August to November 2nd - January to March 3rd - May to August</p> <p>SEMESTER 1st - August to December 2nd - January to May Mid Term - May to July</p> 
	Local Applicants	Applicants based abroad													
UNDERGRADUATE	Php 350.00	USD 75.00													
DIPLOMA/MASTERS	Php 500.00	USD 100.00													
DOCTORAL	Php 500.00	USD 100.00													

Important Dates for Applicants:

Academic Calendar for AY 2018-2019

Deadline for submission of applications for admission for all programs	20-24 May 2019
Deadline for submission of applications for admission for all programs	1 June 2019
Admission application fee	17-16 January 2019
Admission application fee	26 January 2019
Deadline for submission of applications for admission for all programs	17-16 January 2019
Admission application fee	26 January 2019
Deadline for submission of applications for admission for all programs	17-16 January 2019
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Admission application fee	26 January 2019
Deadline for submission of applications for admission for all programs	17-16 January 2019
Admission application fee	26 January 2019

Semestral Schedule

Registration period	17-16 January 2019	20-24 May 2019
Start of classes	26 January 2019	1 June 2019

Important Dates for Applicants:

Academic Calendar for AY 2018-2019

Deadline for submission of application for admission for undergraduate programs	9 March 2018
for MDE, GCDE and PTC Programs	18 May 2018
Admission Test	12 May 2018
Undergraduate Admission Test (UGAT)	8-15 August 2018
Registration Period	25 August 2018
Start of Classes	25 August 2018

Trimestral Schedule

Registration period	27 July 2018	1 December 2018
Start of classes	6 October 2018	—
Registration period	29 September 2018	2 February 2019
Start of classes	10-18 Dec 2018	22-30 April 2019
Registration period	5 January 2019	11 May 2019



BACHELOR OF EDUCATION STUDIES (BES)

The Bachelor of Education Studies (BES) program, with specializations in Alternative Education Systems (AES) and in Instructional Design and Technology (IDT), is designed to develop education professionals for various types of education work in diverse contexts.

The specialization in AES focuses on non-traditional or non-mainstream approaches to teaching and learning, including home schooling, work-based learning, distance education, open learning, community education, and non-formal education. BES AES majors will be equipped to pursue careers in:

- Curriculum and materials development for alternative education programs
- Teaching in the non-formal education or alternative learning sector
- Training and human resource development
- Education-related development work, such as the design and delivery of health education programs and environmental advocacy programs

IDT is a multidisciplinary field of study that focuses on the systematic use of technology to address educational challenges both in school-based and alternative learning environments. IDT majors will be equipped to pursue careers in:

- Design of technology-supported education programs and curricula, including online curricula
- Instructional systems and materials development
- Learning network management and support
- Teaching courses in educational media and technology

OBJECTIVES

The program as a whole aims to develop education professionals who have:

- a critical perspective on the role of education and the challenges faced by educational systems in a modern developing society in a global context;
- a strong foundation in the key concepts and disciplines of education, including philosophy, psychology, history, and social and cultural theory;
- skills in the design and delivery of educational programs, including skills in instructional design, assessment and student support, curriculum development, and instructional materials development using a range of educational technologies;
- skills for the systematic study of education policy and practice, including research literacy, argumentation, and the communication of educational ideas; and
- a holistic, integrative, reflexive, and research-based approach to learning and education, including their own education as professionals and as lifelong learners.

In addition, the specialization in AES aims to develop education professionals who have:

- a deep appreciation of the various contexts and modalities of education and learning, including education in multicultural settings, alternative forms of education, and informal learning; and
- skills in the design, delivery, and evaluation of alternative education programs.

The specialization in IDT aims to develop education professionals with —

- a holistic understanding of the potential benefits of technologies for education as well as the conditions necessary for technologies to be effective in educational contexts; and
- skills in the design, development, use, management, and evaluation of learning resources, tools, and environments.

MODE OF INSTRUCTION

All courses are taught online following the principles of guided independent study and collaborative inquiry. The teaching practicum is an internship in an educational setting to be supervised at a distance also using Web technologies.

ADMISSION REQUIREMENTS

Applicants for admission must:

- Present a valid high school diploma and transcript of records from a Department of Education (DepEd)-recognized secondary school, or an official DepEd certification of having taken and passed the ALS Accreditation and Equivalency Test for the secondary level
- Take and pass the UPOU Undergraduate Admission Test (UgAT) or the UP College Admission Test (UPCAT)
- Complete an online DE Readiness short course administered by the UPOU Faculty of Education

CURRICULUM

The BES program consists of 141 units of course work to be taken over 5-6 years following a trimestral schedule. The courses are classified into 45 units of General Education courses, 42 units of core courses, 45 units of major courses, and 6 units of electives

In addition, BES students are required to take (8) units of Physical Education courses and (6) units of National Service Training Program (NSTP) courses.

Note: All courses below are equivalent to 3 units unless otherwise indicated

GE COURSES (45 units)

Arts and Humanities Domain

(15 units = 6 units prescribed courses + 9 units to be chosen from the following)

- | | |
|--------|---|
| COMM 1 | Communication Skills 1-prescribed (3 units) |
| COMM 2 | Communication Skills 2-prescribed (3 units) |
| Comm 3 | Speech Communication (3 units) |
| HUM 1 | Literature, Society, and the Individual (3 units) |
| HUM 2 | Art, Man, and Society (3 units) |

- | | |
|-------------|---------------------------------------|
| English 157 | English for the Professions (3 units) |
| KOM 1 | Kasanayan sa Komunikasyon 1 (3 units) |
| KOM 2 | Kasanayan sa Komunikasyon 2 (3 units) |
| HUMA 1 | Panitikan, Tao at Lipunan (3 units) |

Social Sciences and Philosophy

(15 units = 6 units prescribed courses + 9 units to be chosen from the following)

- | | |
|--------------|---|
| HIST 1/KAS 1 | Philippine History/Kasaysayan ng Pilipinas – prescribed (3 units) |
| HIST 2/KAS 2 | Asia and the World/Ang Asya at ang Mundo-prescribed (3 units) |
| SOC SCI 1 | Foundations in the Behavioral Sciences (3 units) |
| SOC SCI 2 | Foundations in the Behavioral Sciences 2 (3 units) |
| PHILO 1 | Philosophical Analysis (3 units) |
| Soc Sci 13 | Gender and Society 1 (3 units) |

Mathematics, Science and Technology

(15 units = 6 units prescribed courses + 9 units to be chosen from the following)

- | | |
|----------|--|
| MATH 1 | Fundamental Concepts and Applications of Mathematics - prescribed(3 units) |
| STS | Science, Technology and Society – prescribed 3 units) |
| NATSCI 1 | Foundations of Natural Science 1 (3 units) |
| NATSCI 2 | Foundations of Natural Science 2 (3 units) |
| MATH 2 | Practical Mathematics (3 units) |
| MS 1 | Oceans and Us (3 units) |
| STS 10 | Exploring Biotechnology (3 units) |

PI 100 (3 units)

- | | |
|--------|---|
| PI 100 | Philippine Institutions 100 (3 units)
Life and Works of Jose Rizal |
|--------|---|

CORE COURSES (42 UNITS)

- | | |
|---------|---|
| EDS 101 | Philosophy of Education (3 units) |
| EDS 102 | Social Foundations of Education (3 units) |
| EDS 103 | Theories of Learning (3 units) |
| EDS 106 | Culture, Language, and Education (3 units) |
| EDS 107 | Gender and Education (3 units) |
| EDS 108 | Development Education (3 units) |
| EDS 112 | Principles of Instructional Design (3 units)
(Prerequisites: EDS 103, EDS 106) |

EDS 113	Principles and Methods of Assessment (Prerequisites: EDS 103, EDS 106, EDS 107)
EDS 151	Instructional Media Resources (3 units) (Prerequisites: EDS 106, EDS 107, EDS 112)
EDS 195	Introduction to Education Research (3 units)
EDS 198	Practicum (6 units) (Prerequisites: All core and major courses)
EDUC 101	Philippine Education System (3 units)
EDUC 103	Principles and Processes in Curriculum Development (3 units)

MAJOR COURSES

Specialization: Alternative Education Systems (AES)

EDS 130	Introduction to Alternative Education Systems (3 units) (Prerequisites: EDS 101, EDS 102)
EDS 131	Foundations of Adult Education (3 units) (Prerequisite: EDS 103)
EDS 132	Indigenous Peoples' Education (3 units) (Prerequisite: EDS 106)
EDS 133	Madrasah Education (3 units) (Prerequisite: EDS 106)
EDS 136	Foundations of Distance Education (3 units)
EDS 140	Citizenship Education and Peace Education (3 units) (Prerequisites: EDS 102, EDS 112)
EDS 141	Introduction to Vocational Education (3 units)
EDS 142	Environmental Education (3 units) (Prerequisites: EDS 112, EDS 106, EDS 107)
EDS 143	Health Education (3 units) (Prerequisites: EDS 112, EDS 106, EDS 107)
EDS 111	Principles of Teaching (3 units)
EDS 121	The Reading Process (3 units) (Prerequisites: EDS 103, EDS 106)
EDS 122	Teaching Mathematics (3 units) (Prerequisites: EDS 112, EDS 113, EDS 151)
EDS 123	Teaching Science (3 units) (Prerequisite: EDS 112, EDS 113, EDS 151)
EDS 180	Special Topics in Education 1: Teaching Multigrade Classes (3 units)
SE 103	Mobilizing People and Organizations (3 units)

Specialization: Instructional Design and Technology (IDT)

EDS 150	Introduction to Instructional Technology (3 units) (Prerequisites: EDS 112 and EDS 151)
EDS 152	Teaching with the Web (3 units) (Prerequisites: EDS 112, EDS 106, EDS 107)
EDS 153	Design of Educational Multimedia Materials (3 units) (Prerequisites: EDS 112, EDS 106, EDS 107, MMS 172, MMS 173, MMS 175, and MMS 176)
EDS 154	Assistive Learning Technologies (3 units)
EDS 155	Game-Based Learning (3 units) (Prerequisites: EDS 103, EDS 112)
EDS 156	m-Learning (Mobile Learning) (3 units) (Prerequisites: EDS 103, EDS 112)
EDS 157	Introduction to Teaching Online (3 units) (Prerequisites: EDS 103, EDS 112)
EDS 158	Managing Networked Learning (3 units) (Prerequisite: EDS 157)
EDS 159	Instructional Project Management (3 units) (Prerequisite: EDS 112)
COMP ED 2	Introduction to Web Design and Publishing (3 units)
MMS 172	Audio in Multimedia (3 units)
MMS 173	Photography in Multimedia (3 units)
MMS 175	Videography in Multimedia (3 units)
MMS 176	Animation in Multimedia (3 units)
MMS 131	Introduction to Knowledge Management (3 units)

Electives (6 units)

- Upper division 3-unit courses in another area of specialization in the BES program
- Other existing undergraduate Education courses at UPOU, namely: EDUC 105 (Introduction to Special Education) and EDUC 106 (Basic Guidance)
- Upper division 3-unit courses in other UPOU undergraduate programs



GRADUATE CERTIFICATE IN DISTANCE EDUCATION

The Graduate Certificate in Distance Education (GCDE) is a focused, compact program that is offered conjointly with the Master of Distance Education program. It is intended for professionals who are looking for a formal introduction to the field of distance education and graduate-level training in developing and managing distance education and e-learning programs, but who do not require a Master's degree in this field.

PROGRAM GOALS

GCDE graduates are expected to be able to:

- Participate in the development and delivery distance education programs that are underpinned by effective pedagogy and appropriate and sustainable use of technology;
- Participate in the management of distance education programs in different contexts—educational, business and non-profit organizations—to meet the needs of target learners; and
- Use their knowledge of theories, models, and principles of open learning and distance education to critically examine various aspects of DE programs from a variety of perspectives.

ADMISSION REQUIREMENTS

Applicants for admission to the GCDE must have a Bachelor's degree in any discipline from a recognized post-secondary institution, with a general weighted average (GWA) of 2.5 or better. Students who are admitted to the MDE program may opt to exit the MDE program and be awarded the GCDE provided they complete the GCDE course requirements.

CURRICULUM

The GCDE program consists of 18 units of course work and 3 units of elective courses from the MDE program

Core Courses

The GCDE program consists of 18 units of course work as follows:

- 15 units of core courses in the MDE program, namely:
 - EDDE 201 (Foundations of Distance Education)
 - EDDE 202 (Learning Theories and Instructional Design in Distance Education)
 - EDDE 203 (Technologies in Distance Education)
 - EDDE 204 (Assessment of Learning in Distance Education)
 - EDDE 205 (Management of Distance Education)
- Three (3) units of elective courses from the MDE program

Elective Courses

(not more than 3 units from the following)

Pedagogy Cluster

- EDDE 210** Online Learning and Learning
(3 units) Pedagogy, theories, approaches and methods of online learning
- EDDE 211** Lifelong Learning
(3 units) Lifelong learning theories, principles, perspectives and approaches

Technology Applications Cluster

- EDDE 221** Design and Evaluation of Multimedia
(3 units) Educational Materials
Concepts, principles and methodologies in the design and evaluation of multimedia educational materials
- EDDE 222** m-Learning
(3 units) Perspectives, principles, and methodologies of mobile learning
- DEVC 207** Design and Production of Audio-visual
(3 units) Communication Materials
The processes and techniques of audiovisual development communication materials production from conceptualization, design and preparation to utilization.

Educational Management Cluster

EDDE 230 Ethical, Legal and Social Issues in the Information Age
(3 units) Issues related to the emergence and convergence of information and communication technologies (ICTs) and their implications for education

EDDE 231 Planning and Managing Networked Learning
(3 units) Planning and managing networked/distributed learning programs: principles, approaches and strategies

Graduation

Students who are admitted to the MDE program may opt to exit the MDE program and be awarded the GCDE provided they complete the GCDE course requirements.

A GCDE graduate who wishes to apply for admission or re-admission to the MDE program (in the case of former MDE students who exited the MDE with the GCDE) should have a GWA of 2.0 or better in the GCDE.

Upon admission to the MDE program, courses completed for the GCDE may be credited to the MDE subject to the following conditions:

1. The course to be credited should have been taken within three years from the application for crediting; and
2. The student has earned a grade of 2.0 or better in the course to be credited.

If a course being applied for crediting does not meet one of these two conditions, the course may still be credited provided the student takes and passes a validation exam for that course before or within the semester of admission to the MDE program.

Up to 18 units of courses completed for the GCDE may be credited to the MDE subject to the foregoing conditions and other relevant University policies.



MASTER OF DISTANCE EDUCATION

The Master of Distance Education program of the University of the Philippines Open University (UPOU) is designed for individuals who would like to develop knowledge and skills in designing, implementing, and managing formal and non-formal distance education and e-learning programs.

Participants undertake 32 units of course work, take a comprehensive examination, and complete a Special Problem.

This is a fully online program offered on a trimestral basis (i.e. three 10-week terms per year). The mode of study consists of:

- guided independent study of specially prepared course packages consisting of modules, readings, and Web-based resources; and
- computer-mediated communication and collaboration at UPOU's MyPortal and using relevant Web 2.0 and m-learning applications.

MDE students who have completed 18 units of course work with a general weighted average of 2.0 or better and who are unable to complete the program may apply to be granted the Graduate Certificate in Distance Education.

PROGRAM GOALS

Graduates of the program are expected to be able to:

- Use their knowledge of theories, models, and principles of open learning and distance education (DE) to critically examine various aspects of DE programs from a variety of perspectives;
- Lead in designing, developing, and delivering distance education programs that are underpinned by effective pedagogy and appropriate and sustainable use of technology;
- Lead in managing DE programs in different contexts—educational, business and non-profit organizations—to meet the needs of target learners;
- Understand and critique broader policy, regulatory, and social issues related to DE; and
- Contribute to the body of knowledge regarding open learning and distance education by conducting research and evaluation studies, and through materials, course, and program development.

ADMISSION REQUIREMENTS

Applicants must have a Bachelor's degree in any discipline from a recognized post-secondary institution, with a general weighted average of 2.5 or better.

MDE courses may also be taken on a non-degree basis.

Non-degree students are required to have completed a Bachelor's degree prior to enrollment in any of the courses in the MDE program. Should they subsequently decide to enroll in the MDE, a maximum of nine (9) units of courses taken with final grades of 2.0 or better, may be credited to the MDE program.

CURRICULUM

The MDE curriculum consists of 18 units of core courses, 12 units of elective courses, a comprehensive exam, and a 6-unit Thesis.

Core Courses

- EDDE 201** Foundations of Distance Education
(3 units) Overview, history, and evolution of distance education; its uses, why and how it has evolved, whom it serves and how it is practiced
- EDDE 202** Learning Theories and Instructional Design in Distance Education
(3 units) Theories of learning and their implications for the design of distance education learning environments; instructional design models and approaches in distance education
- EDDE 203** Technology in Distance Education
(3 units) Information and communication technologies (ICTs) in the development and practice of distance education; issues and perspectives on technology applications in distance education

- EDDE 204 Assessment of Student Learning in Distance Education**
(3 units)
Perspectives, principles and practices in assessing student performance in distance education courses
- EDDE 205 Management of Distance Education**
(3 units)
Introduction to processes and structures in distance education organizations and their management implications
- EDDE 206 Research in Distance Education**
Overview of perspectives, approaches and methodologies in research in distance education; applications of distance education research

Elective Courses

The program requires 12 units of electives. Students are allowed to take elective courses from any of the three clusters:

Pedagogy Cluster

- EDDE 210 Online Teaching and Learning**
(3 units)
Pedagogical theories, approaches and methods of online learning
- EDDE 211 Lifelong Learning**
(3 units)
Lifelong learning theories, principles, perspectives and approaches

Technology Applications Cluster

- EDDE 221 Design and Evaluation of Multimedia Educational Materials**
(3 units)
Concepts, principles and methodologies in the design and evaluation of multimedia educational materials
- EDDE 222 m-Learning**
(3 units)
Perspectives, principles, and methodologies of mobile learning
- DEVC 207 Design and Production of Audio-visual Communication Materials**
(3 units)
The processes and techniques of audiovisual development communication materials production from conceptualization, design and preparation to utilization.

Educational Management Cluster

- EDDE 230 Ethical, Legal and Social Issues in the Information Age**
(3 units)
Issues related to the emergence and convergence of information and communication technologies (ICTs) and their implications for education
- EDDE 231 Planning and Managing Networked Learning**
(3 units)
Planning and managing networked/distributed learning programs: principles, approaches and strategies

Note: Students may take a maximum of two courses (6 units) and a minimum of one course (3 units) per term. There are three terms in one academic year, as follows: September-November (Term 1), January-March (Term 2), and May-July (Term 3).

COMPREHENSIVE EXAMINATION

The comprehensive examination is taken after completing all core courses (18 units) and elective courses (12 units) with no grade lower than 2.0 in any of the core courses.

Thesis (EDDE 299)

The course prerequisite is a minimum of 18 unit of core courses and 12 units of electives and a pass mark on the comprehensive examination.



DIPLOMA IN SCIENCE TEACHING

The Diploma in Science Teaching (DST) is a post-baccalaureate degree program designed to address the need for teachers to develop the breadth and depth of content knowledge in science courses namely biology, chemistry, and physics. This program is designed for basic education teachers who wish to undertake further studies and upgrade themselves. Applicants should have a baccalaureate degree and preferably be teaching science in the secondary level.

PROGRAM GOALS

The program seeks to:

- Develop a strong foundation in the student's chosen area of science and encouraging lifelong interest in this area;
- Develop a critical and research-based understanding of science education frameworks, models, and approaches;
- Develop the skills necessary to teach science effectively, including appropriate use of learning technologies;
- Promote habits of critical reflection on teaching and learning, and encourage active participation in communities of practice; and
- Develop an appreciation of the cultural significance of science and its relation to social conditions.

MODE OF DELIVERY/INSTRUCTION

All courses are delivered by Distance Education mode.

CURRICULUM

There are 24 units of course work (9 units of core courses + 15 units of required courses for each major area) that may be completed in two years if the prescribed curriculum is followed. The core courses are common courses required of all students and considered necessary general education for students irrespective of their choice in major.

CORE COURSES (9 UNITS)

EDSCI 201 Foundations of Science Education
(3 units)

EDSCI 202 Approaches to Science Teaching
(3 units) Learning theories, models of learning science, strategies for teaching science, design of learning units

EDSCI 203 Assessment in Science Education
(3 units) Principles and methods of assessment in science education; assessment techniques and tools; levels of assessment in science education

MAJOR COURSES (15 UNITS)

Major in Biology

EDSCI 211 Principles of Biology
(3 units) Organization of life, cell biology, evolution of the cell and organelles and microbiology

EDSCI 212 Anatomy and Physiology
(3 units) Anatomical and physiological mechanisms of biological processes at the cellular, tissue, and organ level system
(Prerequisite: EDSCI 211)

EDSCI 213 Principles of Ecology
(3 units) (Prerequisite: EDSCI 211)

EDSCI 214 Genetics and Evolution
(3 units) Biochemical, Mendelian, and population genetics of eukaryotes, and the evolutionary history of the earth
(Prerequisite: EDSCI 211)

EDSCI 219 Models and Experiments in Biology
(3 units) Design and evaluation of multimedia materials, models, and laboratory and field activities; laboratory and equipment, safety, and maintenance
(Prerequisites: EDSCI 211-213; co-requisite: EDSCI 214)

Major in Chemistry

EDSCI 221 Fundamental Concepts of Chemistry I
(3 units) Theories of bonding, structure, and properties of substances

EDSCI 222 Fundamental Concepts of Chemistry II
(3 units) Principles and applications of thermodynamics, electrochemistry, and kinetics
(Prerequisite: EDSCI 221)

EDSCI 223 Organic and Biological Chemistry
(3 units) Organic and biological chemistry with practical applications
(Prerequisite: EDSCI 221)

EDSCI 224 Chemistry and the Environment
(3 units) Chemical principles and concepts in environmental processes
(Prerequisite: EDSCI 221)

EDSCI 229 Models and Experiments in Chemistry
(3 units) Design and evaluation of multimedia materials, models, and laboratory and field activities; laboratory and equipment, safety, and maintenance
(Prerequisites: EDSCI 221-223; co-requisite: EDSCI 224)

Major in Physics

EDSCI 231 Fundamental Physics I
(3 units) Fundamentals of Newtonian mechanics, energy, momentum, fluids, heat and thermodynamics

EDSCI 232 Fundamental Physics II
(3 units) Electricity, magnetism, electromagnetic waves, and optics
(Prerequisite: EDSCI 231)

EDSCI 233 Fundamental Physics III
(3 units) Fundamentals of modern physics, wave mechanics, atomic structure, and special relativity
(Prerequisite: EDSCI 232)

EDSCI 234 Introductory Applied Physics
(3 units) Introduction to instrumentation and environmental physics

EDSCI 239 Models and Experiments in Physics
(3 units) Design and evaluation of multimedia materials, models, and laboratory and field activities; laboratory and equipment, safety, and maintenance
(Prerequisites: EDSCI 231-233; co-requisite: EDSCI 234)