



UNIVERSITI KEBANGSAAN MALAYSIA
National University of Malaysia

COURSE PROFORMA *Proforma Kursus*

FACULTY OF EDUCATION *Fakulti Pendidikan*

GGGE2153 EDUCATIONAL TECHNOLOGY

Class Blog: Educational Technology
<http://rosseni.wordpress.com>

Class MOOC: Educational Technology
<https://www.openlearning.com/courses/ge2153-educationaltechnology>

WP MOOC: Jom Belajar Wordpress
<https://www.openlearning.com/courses/learn-wordpress/>

SEMESTER 2 SESSION 2016 – 2017

Lecture:
Mondays: 2-4pm
Week 1-2@Gerak Minda 4

Lab:
Mondays 2-4pm
Week 3-12 @ Multimedia
Lab KTAMS

EduTechnoVation Day:
Week 13 @
Budiman/DTAMS

IMPORTANT DATES:

Individual Reflection: weekly
F2F/V presentation 1 (ID-non electronic) : Week 2
F2F/V presentation 2 (Content Design) : Week 3
F2F/V presentation 3 (Story Board) : Week 4
First Draft Video Project Presentation: Week 5
Second Draft Video Project Presentation: Week 6
Final Draft Video Project Presentation: Week 7
Field Work: Week 8
Photography Project – Gallery Presentation: Week 9
Poster Project – Gallery Presentation: Week 10
Overall Presentation: Week ke-11
EduTechnoVation Day: Week 13
Evaluation & Reflection: Week 14

Lecturers/Facilitators/Tutors:

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MOOC ID, FACILITATOR & MULTIMEDIA CONSULTANT:

Nabila Othman (MEd Candidate in IT Resource)
Mohammed Huzaimi Alias (MEd Candidate in IT Resource)
Norlaila Che Murat (MEd Candidate in IT Resource)
Shahrul Affendi Ishak (PhD Candidate in IT Resource)

COURSE INFORMATION

- 1) Course Code : GGGE 2153
2) Course Title : Educational Technology
3) Credit : 3
4) Course Level : Faculty Compulsory Course
5) Synopsis :

This course is design to introduce the concept of innovation and technology and its role in education. Students acquire the skills of producing electronic and non-electronic materials. Handling materials will help students on issues and innovation involved in the selection, adoption, use, evaluation and production of educational media. Emphasis will be on teaching aids and computer & information technology applications. In addition, students will be expose to current issues and innovations in education technology. This course includes theory and practice delivered face-to-face and via open learning platform in addition to individual and group fieldwork. Student can access and submit class materials and engage in class discussions and task by registration in the Educational Technology MOOC at <https://www.openlearning.com/courses/ge2153-educationaltechnology>

- 6) Pre-requisite : NONE

7) Course Requirement to sit for Examination

(refer *Peraturan UKM Pengajian Sarjanamuda pindaan 2009*).

Pelajar perlu memenuhi 70%¹ keperluan komponen pentaksiran kursus tetapi tidak termasuk komponen pentaskiran peperiksaan akhir dengan menghadiri/menghantar item pentaskiran tersebut semasa minggu pengkuliah.

8) References and Links

- Jonassen, D.H. 2009. *Computers as mindtools for schools: engaging critical thinking*. (3rd ed.) New Jersey: Merrill-Prentice Hall.
Smaldino, S.E., Russell, J.D., Heinich, R. Molenda, M. 2011. *Instructional Media and Technologies for Learning*. Edisi ke-8. New Jersey: Merrill Prentice Hall.
E-Learning Platform 1: I-Folio at <http://ifolio.ukm.my/course/32319/announcement>
E-Learning Platform 2: Open Learning Educational Technology MOOC <https://www.openlearning.com/courses/ge2153-educationaltechnology>
E-Learning Platform 3: Jom Belajar WordPress MOOC <https://www.openlearning.com/courses/learn-wordpress/>
E-Learning Platform 4: Class/Course Coordinator Blog at WordPress <http://rosseni.wordpress.com>
Telegram: EduTech2017

¹ 80% untuk FPER dan FKAB.

7.0 Course Content

Week	Topic	Lecturer	Activity
1 13.2.2017 Topic 1 and activity week 1 Open Learning	<ul style="list-style-type: none"> • Course Orientation • Course Expectation • Course Rubric • MOOC Educational Technology • MOOC Jom Belajar Wordpress 	Dr. Rosseni (F2F) Dr. Khalid Facilitators GM4	<ul style="list-style-type: none"> • Open Learning for MOOC and Tutorial registration • Taaruf/Introduction @biodata submission at https://padlet.com/rosseni/xs7d03vgsmt • Group registration for tutorial and projects in open learning at https://www.openlearning.com/courses/ge2153-educationaltechnology
2 20.2.2017 Topic 2 and activity week 2 Open Learning	<ul style="list-style-type: none"> • Educational Technology Definition, Concept & Components • Instructional Design of Educational Technology media for innovation 	Dr. Rosseni (F2F) Dr. Khalid Facilitators GM4	Lecture and activities <ul style="list-style-type: none"> • 9 events of instructions: Pre-instructions • Non-electronic learning media • Online submission of group activity work on pre-instruction and Educational Technology components • F2F and online discussion • Follow-on activity - Individual Reflection
3 27.2.2017 Topic 3 and activity week 3 Open Learning	<ul style="list-style-type: none"> • Web Technology in Education: Blog, MOOC and HOOC • HOOCed on Open Learning, Blog, TG and ifolio. 	Dr. Rosseni (F2F) Dr. Khalid Facilitators Makmal Multimedia PTM	Lecture and activities <ul style="list-style-type: none"> • 9 events of instructions • Pre-instructions • Non-electronic learning media • Online submission of group activity work on pre-instruction and Educational Technology components • F2f and online discussion • Follow-on activity - Individual Reflection
4 6.3.2016 Topic 4 and activity week 3 Open Learning	Educational Media and Instructional Design Pre-production of Instructional Media	Dr. Rosseni (F2F) Dr. Khalid Facilitators Makmal Multimedia PTM	<ul style="list-style-type: none"> • Learning Design Group Activites and presentation • Uploading of mahjong output on storyline and storyboardd • Pitching video • Web tools, blog, FB, graphic, video, audio integration with Open learning
5 13.3.2017 Topic 4 and activity week 5 in Open Learning	Classification of Educational Media and Practice <ul style="list-style-type: none"> - electronic and non-electronic media Story line/Storyboarding revisit	Dr. Rosseni Dr. Khalid Facilitators Makmal Multimedia PTM	<ul style="list-style-type: none"> • Group discussion and presentation about educational meia use • Individual Task (visualization of the use of media presented and reflection) • Individual and group work • Open learning • Reflection

<p>6 20.3.2017</p> <p>Topic 5 and activity week 6 in Open Learning</p>	<p>Principle of Multimedia Photography and Graphics</p> <ul style="list-style-type: none"> • Graphic Editing • Photoshop 	<p>Dr. Khalid Nasir Dr Rosseni Facilitators</p> <p>Makmal Multimedia PTM</p>	<ul style="list-style-type: none"> • Individual Task (sharing, categorizing and uploading different (i) genre of music and audio elements, (ii) graphics, animations & images and (iii) videos • Multimedia Elements • Individual and group work • Open learning • Reflection
<p>7 27.3.2017</p> <p>Topic 5 and activity week 7 in Open Learning</p>	<p>Introduction to Video Production I Audio & Video Elements Audio/Sound Editing Video Editing I</p>	<p>Dr. Khalid Nasir Dr Rosseni Facilitators</p> <p>Makmal Multimedia PTM</p>	<ul style="list-style-type: none"> • Sharing audio and video elements on the cloud • Sharing your video collection on the cloud/youtube account • Sharing your audio collection on the cloud • Individual and group work • Open learning & Reflection • Field work
<p>01.4.2017- 09.4.2017</p>	<p>CUTI PERTENGAHAN SEM</p>		
<p>8 10.4.2017</p> <p>Topic 5, and activity week 8 in Open Learning</p>	<p>Video in Education Video Production II</p>	<p>Dr. Khalid Nasir Dr Rosseni Facilitators</p> <p>Makmal Multimedia PTM</p>	<ul style="list-style-type: none"> • Individual and group work • Open learning & Reflection • Field work
<p>9 17.4.2017</p> <p>Topic 6, and activity week 9 in Open Learning week 9 in Open Learning</p>	<p>Video Production III Post-production and integration</p>	<p>Dr. Khalid Nasir Dr Rosseni Facilitators</p> <p>Makmal Multimedia PTM</p>	<ul style="list-style-type: none"> • Individual and group work • Open learning & Reflection • Field work
<p>10 24.4.2017</p> <p>Topic 7, field work and activity week 9 in Open Learning</p>	<p>Video Review I Formative Evaluation I Maintenance I</p>	<p>Dr. Rosseni Dr. Khalid Facilitators</p> <p>Makmal Multimedia PTM</p>	<ul style="list-style-type: none"> • Individual and group work • Open learning • reflection

11 1.5.2017	Video Review, Evaluation & Maintenance II	Dr. Rosseni Dr. Khalid Facilitators Makmal Multimedia PTM	<ul style="list-style-type: none"> • Individual and group work • Open learning & reflection
12 8.5.2017	Preparation for poster and slide presentation of EduTechnovation Day	Dr. Khalid Nasir Dr Rosseni Facilitators Makmal Multimedia PTM	<ul style="list-style-type: none"> • Individual and group work • Open learning & reflection
13 15.5.2017	EduTechnovation Day	Dr. Khalid Nasir Dr Rosseni Facilitators Dewan Budiman/DTAMS/ Makmal Multimedia PTM	<ul style="list-style-type: none"> • Individual and group work • Open learning & reflection
14 22.5.2017	Reflection and Evaluation	Dr. Rosseni Dr. Khalid Facilitators Makmal Multimedia PTM	<ul style="list-style-type: none"> • Course Evaluation; Learning Evaluation; • Open Learning & Reflection

Cuti Ulangkaji	27 Mei – 4 Jun 2017	1 Minggu
Peperiksaan	5 – 23 Jun 2017	3 Minggu
Cuti Semester	24 Jun – 1 Sept. 2017	10 Minggu

8.0 Pemetaan HPK, HPP, Kaedah Penyampaian dan Kaedah Penilaian

Bil	Hasil Pembelajaran Kursus (HPK)	Bloom	HPP 1	HPP 2	HPP 3	HPP 4	HPP 5	HPP 6	HPP 7	HPP 8	INDIKATOR	Kaedah penyampaian	Kaedah Penilaian		
													Tugas Individu & Pembentangan	Tugasan Kumpulan Laporan/ Penulisan	Peperiksaan
1	Berkeupayaan menerangkan konsep dan komponen-komponen teknologi pendidikan	Kognitif 1K6, 3K6	2		2			2			1K6: Berkemampuan menjana idea baru atau merancang/ menghasilkan sesuatu yang baru berdasarkan ilmu asas dalam bidang pendidikan yang dipelajari. 3K6: Berkemampuan membina idea baru atau menghasilkan sesuatu atau kaedah pengajaran yang baru secara kritis, kreatif dan inovatif.	Kuliah, Perbincangan kumpulan kecil/ individu; Pencarian maklumat	10		10
2	Berkeupayaan menyenaraikan komponen-komponen teknologi pendidikan.	Kognitif 1K5, 3K3 & 5K4		2		2					1K5: Berkemampuan untuk membuat kritikan, justifikasi dan pertimbangan terhadap sesuatu idea, teori atau konsep ilmu asas dalam bidang pendidikan yang dipelajari . 3K5 Berkemampuan untuk membuat kritikan, justifikasi dan pertimbangan terhadap teori dan konsep kemahiran berfikir secara kritis, kreatif dan inovatif dalam pendidikan. 5K4 Berkeupayaan mengintegrasikan maklumat dan mengamalkan dalam pengajaran dan pembelajaran secara berterusan	Kuliah, Perbincangan kumpulan kecil atau individu; Pencarian dan mensintesis maklumat individu	10		10

3	Berkeupayaan menghasilkan media dalam proses pengajaran dan pembelajaran	Kognitif 1K4		2	2		2				1K4 Berkemampuan menganalisis dan membuat perbandingan segala teori dan konsep ilmu asas dalam bidang pendidikan.	Kuliah, Perbincangan kumpulan kecil/ individu; Pencarian maklumat, Kerja Lapangan	10	10	
4	Berkeupayaan Mengaplikasikan produk media dalam proses pengajaran & pembelajaran.	Afektif & Psiko-motor 3A3 4P3			2			2			3A3 Komited dalam menerapkan atau mengaplikasikan kemahiran berfikir secara kritis,kreatif dan inovatif dalam pendidikan. 4P3 Berkeupayaan memanipulasikan segala kemahiran komunikasi dan kerja berpasukan yang dipelajari mengikut peraturan dan panduan yang ditetapkan	Kuliah, Perbincangan kumpulan kecil/ individu; Pencarian maklumat, Kerja Lapangan Seminar / Pembentangan	10	10	
5	Berkeupayaan menilai kebolegunaan bahan bantu pengajaran dan pengajaran.	Kognitif 1K5, 3K3 & 5K4		2		2					1K5: Berkemampuan untuk membuat kritikan, justifikasi dan pertimbangan terhadap sesuatu idea, teori atau konsep ilmu asas dalam bidang pendidikan yang dipelajari . 3K5 Berkemampuan untuk membuat kritikan, justifikasi dan pertimbangan terhadap teori dan konsep kemahiran berfikir secara kritis, kreatif dan inovatif dalam pendidikan. 5K4 Berkeupayaan mengintegrasikan maklumat dan mengamalkan dalam pengajaran dan pembelajaran secara berterusan	Kuliah, Perbincangan kumpulan kecil atau individu; Pencarian dan mensintesis maklumat individu		10	10
											JUMLAH		40%	30%	30%

**Semakan
MARKAH HPK

No	HPK	Markah Penuh(%)
1	Berkeupayaan menerangkan konsep dan komponen-komponen teknologi pendidikan	20%
2	Berkeupayaan menyenaraikan komponen-komponen teknologi pendidikan.	20%
3	Berkeupayaan mengaplikasikan penghasilan media dalam proses pengajaran dan pembelajaran.	20%
4	Berkeupayaan mengaplikasikan penghasilan media dalam proses pengajaran dan pembelajaran.	20%
5	Berkeupayaan menilai keberkesanan bahan bantu pengajaran dan pengajaran.	20%
	TOTAL	100%

MARKAH HPP

No	HPP	Markah Penuh(%)
1	HPP1: Berkebolehan menguasai dan mengintegrasikan ilmu asas dan ilmu perkaedahan dalam bidang pendidikan	55
2	HPP2: Berkemahiran mengaplikasikan kemahiran pengajaran dan pembelajaran dengan cekap	0
3	HPP3: Berkebolehan berfikir secara kritis, kreatif, inovatif dan mampu menyelesaikan masalah berpandukan hikmah	20
4	HPP4: Berkeupayaan berkomunikasi dan berfungsi sebagai pemimpin dan ahli yang berkesan dalam pasukan	10
5	HPP5: Berkemahiran menguruskan dan mengintegrasikan maklumat dalam pendidikan, serta amalan pembelajaran berterusan	5
6	HPP6: Berkemampuan mengamalkan sikap, nilai, tanggungjawab serta etika dan profesionalisme keguruan	10
7	HPP6: Berkemampuan mengamalkan sikap, nilai, tanggungjawab serta etika dan profesionalisme keguruan	0
8	HPP8: Berkebolehan membudayakan sikap, pengetahuan dan kemahiran keusahawanan	0

Komponen Taksonomi

No	Taksonomi	Markah Penuh (%)
1	Afektif	20
2	Kognitif	30
3	Psikomotor	50