



# UNDERGRADUATE PROJECT II SBEU 4944

*Brief on Course Information*

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# COURSE INFORMATION

<b>School/Faculty:</b>	<b>Faculty of Built Environment and Surveying</b>		
<b>Program name:</b>	<b>Bachelor of Geomatics Engineering with Honours</b>		
<b>Course code:</b>	<b>SBEU4944</b>	<b>Academic Session/Semester:</b>	<b>2023-2024/2</b>
<b>Course name:</b>	<b>Undergraduate Project II</b>	<b>Pre/co requisite (course name and code, if applicable):</b>	<b>Null</b>
<b>Credit hours:</b>	<b>4</b>		

# COURSE LEARNING OUTCOME (CLO)

No.	CLO	PLO (ICGPA CODE)	*Taxonomies and **generic skills	T&L methods	***Assessment methods
<b>CLO1</b>	Criticize the literature review of the intended area of research.	PLO1 (KW)	C6	Lecture, active learning	PR, OP
<b>CLO2</b>	Propose the methods intend to be use in the dissertation subject	PLO2 (CG)	A5	Lecture, Active Learning, E-portfolio, multidisciplinary	PR, OP
<b>CLO3</b>	Arrange Geomatic Engineering tasks using available resources	PLO3 (PS)	P7	Lecture, Active Learning, E-portfolio, multidisciplinary	PR, OP
<b>CLO 4</b>	Present clearly to audience by giving oral presentations in confidence	PLO5 (CS)	CS4	Lecture, Active Learning, E-portfolio, multidisciplinary	PR, OP
<b>CLO5</b>	Adapt to changing situations and expectations within the team towards Geomatic-based industrial needs	PLO9 (PRS)	AD1	Lecture, Active Learning, E-portfolio, multidisciplinary	PR, OP

# COURSE SYNOPSIS

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## Course synopsis

The primary aim of this course is to *produce a research thesis on a topic that interests students*, and for which adequate resources are available. The secondary aim is to *develop the skills needed for the presentation* of your research results to a varied audience, and for evaluating other research projects. The first aim is largely met by *intensive collaboration with a research supervisor* and *individual work*, and the second aim by the use of presentations and by a panel of lecturers to comment upon drafts of thesis materials.

**IN ALL CASES STUDENTS MUST HAVE THE PRIOR PERMISSION OF THE PSM SUPERVISOR AND THE AGREEMENT OF A RESEARCH SUPERVISOR to take SGHU4942.**

**SBEU4944** is the extension of **Subject SBEU4942**, with emphasis on original research and the preparation of final thesis.

### INSTRUCTIONS

**SBEU4944** will meet regularly, but not necessary every week. Attendance and active participation at class sessions is expected of all students. Students missing more than three consecutive classes will be penalised. There will be frequent communication through e-learning and email.

In addition to the **written thesis** in Semester II, **a written seminar paper** is required during Semester II for individual presentation at the end of the Semester II. The **seminar paper** has to be **submitted to PSM supervisor** for **endorsement** prior to the presentation.

Students will be required to make **formal presentations** to panel of selected lecturers; on their thesis proposal; on the progress report; and on the substance of their thesis results. In addition, less formal presentations will be made by each student on several classes.

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# COURSE LECTURER(S) / PSM COORDINATORS

<b>Course lecturer(s)</b>	<b>Name</b>	<b>Office</b>	<b>Contact no.</b>	<b>E-mail</b>
	Dr. Aimi Musa	C04-502	013-7336689	<a href="mailto:aimi.musa@utm.my">aimi.musa@utm.my</a>
	Sr Dr. Mohammad Hanif Hamden	C04-318	010-9694949	<a href="mailto:mohammad.hanif@utm.my">mohammad.hanif@utm.my</a>
	Sr Dr. Kelvin Tang Kang Wee	B08-315-01	012-7258699	<a href="mailto:tkkelvin@utm.my">tkkelvin@utm.my</a>

# WEEKLY SCHEDULE

<b>20 Mac 2024</b> <b>(Week 1)</b>	<b><i>Introductory class: Course structure</i></b>
<b>27 Mac 2024</b> <b>(Week 2)</b>	<b><i>Class: Technical Paper &amp; Thesis Format (Dr. Hanif)</i></b>
03 Apr 2024 (Week 3)	Research works continue
<b>10 Apr 2024</b> <b>(Week 4)</b>	<b><i>Class: Technical Paper Writing &amp; Power Point Format (Dr. Aimi)</i></b>
17 Apr 2024 (Week 5)	Research works continue
24 Apr 2024 (Week 6)	Research works continue
01 May 2024 (Week 7)	Research works continue
<b>08 May 2024</b> <b>(Week 8)</b>	<b><i>Mid-Semester Break</i></b>

# WEEKLY SCHEDULE

<b>15 May 2024</b> (Week 9)	<b><i>Preparation of Technical Paper</i></b> <b><i>Class: Presentation Skills, Oral Presentation of Progress Report (Dr. Kelvin)</i></b>
<b>22 May 2024</b> (Week 10*)	Research works continue
<b>29 May 2024</b> (Week 11)	<b><i>Full draft of Technical Paper due to Supervisor – Multidisciplinary Courses</i></b>
05 Jun 2024 (Week 12)	Research works continue
<b>12 Jun 2024</b> (Week 13)	<b><i>Submission of Technical paper (DEADLINE : 12 JUNE 2024 (Wednesday) )</i></b>
19 Jun 2024 (Week 14*)	<i>Preparation for Presentation</i>
<b>26 Jun 2024</b> (Week 15)	<b>(Presentation of Research Works)</b> <b>23-27 JUNE 2024 (MONDAY - THURSDAY)</b>
<b>03 Jul 2024</b> (Week 16*)	<b>Revision Week</b>
<b>Week 17 -19</b>	<b>Final Examination</b> <b><i>Submission Thesis (DEADLINE: 15 JULY 2024 (MONDAY))</i></b>



# COURSE ASSESSMENT

LIST OF ASSESSMENTS		Marks (%)	Duration (hr)
1	Thesis & Assessment by Supervisor	50	-
2	Presentation & Assessment by Panel 1	20	-
3	Presentation & Assessment by Panel 2	20	-
4	Turnitin	7	-
5	Logbook	3	-
<b>TOTAL MARKS</b>		<b>100</b>	

# LIST OF LECTURERS *(PSM Supervision 2023/2024)*

No.	Name	No. of Students
1	Prof. Sr Dr. Mohd Razali Mahmud	
2	Prof. Sr Dr. Anuar bin Ahmad	
3	Prof. Dr. Zulkepli bin Majid	
4	Prof. Madya Sr Dr. Zulkarnaini bin Mat Amin	
5	Prof. Madya Sr Dr. Tajul Ariffin bin Musa	
6	Prof. Madya Sr Dr. Ami Hassan bin Md Din	
7	Prof. Madya Sr Dr. Abdullah Hisam bin Omar	
8	Sr Dr. Mohd Farid bin Mohd Ariff	
9	Sr Dr. Khairulnizam bin M. Idris	
10	Sr Dr. Tan Liat Choon	
11	Sr Dr. Norhadija binti Darwin	
12	Sr Dr. Wan Anom binti Wan Aris	
13	Dr. Nurul Izzati binti Abd Karim	
14	Sr Dr. Muhammad Hafiz bin Mohd Yatim	
15	Dr. Aimi binti Musa	
16	Dr. Mohammad Hanif bin Hamden	
17	Sr Dr. Othman Zainon	
18	Sr Dr. Kelvin Tang Kang Wee	

<b>JUMLAH PELAJAR</b>	75
<b>JUMLAH PENSYARAH</b>	18
<b>KUOTA PER PENSYARAH</b>	4.167
<b>*Kuota pelajar bagi setiap pensyarah adalah sebanyak 4-5 orang sahaja</b>	

# LIST OF LECTURERS – BASED ON SCOPE OF STUDY

No.	Hydragraphy Scope
1	Prof. Sr Dr. Mohd Razali Mahmud
2	Sr Dr. Khairulnizam bin M. Idris
3	Sr Dr. Mohammad Hanif bin Hamden
4	Sr Dr. Kelvin Tang Kang Wee
5	<del>Sr Dr. Abdul Wahid Rasib</del>

No.	Geodesy/GPS Scope
1	Prof. Madya Sr Dr. Tajul Ariffin bin Musa
2	Prof. Madya Sr Dr. Ami Hassan bin Md Din
3	Sr Dr. Wan Anom binti Wan Aris

No.	UAV/Photogrammetry Scope
1	Prof. Sr Dr. Anuar bin Ahmad
2	Prof. Dr. Zulkepli Majid
3	Sr Dr. Mohd Farid bin Mohd Ariff
4	Sr Dr. Norhadija binti Darwin

# LIST OF LECTURERS – BASED ON SCOPE OF STUDY

No.	GIS Scope
1	Prof. Madya Sr Dr. Abdullah Hisam bin Omar
2	Dr. Aimi binti Musa
<del>3</del>	<del>Dr Zamri Ismail</del>

No.	Utility Scope
1	Prof. Madya Sr Dr. Zulkarnaini bin Mat Amin
2	Dr. Nurul Izzati binti Abd Karim

No.	Cadastre Scope
1	Prof. Madya Sr Dr. Abdullah Hisam bin Omar
2	Sr Dr. Tan Liat Choon
3	Sr Dr. Muhammad Hafiz bin Mohd Yatim

No.	Astronomy/ Falak Syarie Scope
1	Sr Dr. Othman Zainon
2	Dr. Aimi binti Musa

# LIST TO DO!

- ***FILL UP YOUR GRADUATE EMAIL***
- ***UPDATE YOUR RESEARCH TITLE***

[https://docs.google.com/spreadsheets/d/1pUsWOTurNx-p\\_\\_wp83bN3o\\_-0lciXrvN/edit#gid=228222181](https://docs.google.com/spreadsheets/d/1pUsWOTurNx-p__wp83bN3o_-0lciXrvN/edit#gid=228222181)



***Scan Here***

# ACADEMIC HONESTY & PLAGIARISM



Assignments are individual tasks and **NOT** group activities (**UNLESS EXPLICITLY INDICATED AS GROUP ACTIVITIES**)



**Copying of work** (texts, simulation results etc.) from other students/groups or from other sources is **not allowed**. Brief quotations are allowed and then only if indicated as such.



**Existing texts should be reformulated** with your own words used to explain what you have read. It is **not acceptable** to retype existing texts and just acknowledge the source as a reference.



**Be warned:** students who submit **copied work** will obtain a **mark of zero** for the assignment and **disciplinary steps** may be taken by the Faculty. It is also **unacceptable to do somebody else's work**, to **lend your work** to them or to make your work available to them to copy.



**For assignment**, for **late submission** of assignment, **one mark** will be deducted for **each day after the due date**.

# THANK YOU



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Kerana Tuhan untuk Manusia