



Course Syllabus (Academic Year 2020)

School of Interdisciplinary Studies, Kanchanaburi Campus, Mahidol University

1. **Course No. and Title** : KAAG 471 Senior Project
Credit (study hours) : 4 (0-12-4)
2. **Program Name** : Bachelor of Science Program in Agricultural Science
3. **Course Module** : Core course
Pre/co-requisite : -
4. **Class Semester** : 1st Semester 2nd Semester Academic Year 2020
Class Schedule & Venue : <https://classroom.google.com/u/0/c/MTE00TM1NjA2MDgy>
 : Google classroom [Class code **th4okkx**]
5. **Class Coordinator** : Lect. Dr. Netiya Karaket
 Contact No.: 065-879-7915 Email: netiya.kar@mahidol.edu

6. Course Description

Identification of research problem in agricultural science, formation of research objectives and hypotheses, data collection, data analysis, final report writing and presentation.

7. Course Objectives / Course Learning Outcomes (CLOs)

No.	Objectives / CLOs	Expected Skills / Knowledge			PLOs
		Specific	Generic	Knowledge	
8.1	Identify and explain the problems in agricultural science.	Scientific Skill	Literacy skill Hypothesize skill Observation skill	All Agricultural science knowledge	1,2
8.2	Apply suitable scientific methodology to solve problems in agricultural science.	Problem solving skill	Analytical thinking skill Decision making skill Experimental skill Hypothesize skill	All Agricultural science knowledge	1,3
8.3	Present data	Managerial skill	Communication skill IT skill	English communication Thai communication How to prepare PPT How to write Report	4

*(PLOs) Program/Expected Learning Outcome

1. Apply information and theories in agricultural science to agricultural practice, agricultural industry, production management and related disciplines
2. Diagnose, criticize and determine problems and solutions in agricultural science to agricultural practice, agricultural industry, production management and related disciplines emphasized on energy and industrial crops
3. Integrate and apply agricultural science with contemporary social, economic, political and environmental concerns and awareness of morals and ethics
4. Demonstrate a strong team work and entrepreneur mind

8. Class Instructor List

8.1 Asst. Prof. Dr. Charturong Chanseetis (CC)	Email: charturong.cha@mahidol.ac.th
8.2 Asst. Prof. Dr. Sirisak Soontornyard (SS)	Email: sirisak.soo@mahidol.ac.th
8.3 Asst. Prof. Dr. Watcharra Chintakovid (WCh)	Email: watcharra.chi@mahidol.ac.th
8.4 Asst. Prof. Dr. Suravoot Yooyongwech (SY)	Email: suravoot.yoo@mahidol.ac.th
8.5 Lect. Dr. Chontira Sangsiri (CS)	Email: chontira_sangsiri@yahoo.com
8.6 Lect. Dr. Netiya Karaket (NK)	Email: netiya.kar@mahidol.edu
8.7 Lect. Dr. Chananut Kaewmanee (CK)	Email: netiya.kar@mahidol.edu
8.8 Lect. Thanakorn Thiengnoi (TT)	Email: thanakorn.thi@mahidol.ac.th
8.9 Lect. Dr. Prapapann Sawhasan Jutamas	Email: prapapann.saw@gmail.com

9. Course Outline

First Semester

Week	Date	Contents	CLOs	Teaching & Learning	Instructor's Names
1	2 July 20	- Course introduction		Lecture	NK, CK, PS
2-8	6 July 20 to 12 Oct 20	- Literature Review and discuss with Advisors in the Senior Project Topics -Sent Topics via google classroom -Performed preliminary experiments -Submit Committee for proposal presentation	1,2	Consult Advisors	Advisors
	7 Sep 20	Send Senior Project Topics to Course Co-Ordinator (Dr. Netiya)	1,2,3		
	14 Sep 20	1 st draft Proposal (Literature review and	1,2,3		

Week	Date	Contents	CLOs	Teaching & Learning	Instructor's Names
		Experimental plan) (To Advisors – 5h workload)			
	28 Sep 20	2 nd draft Proposal (Literature review and Experimental plan) (To Advisors – 5h workload)	1,2,3		
	5 Oct 20	Final draft Proposal and Abstract for Senior Project Proposal	3		
	12 Oct 20	Abstract for Senior Project Proposal (Word and Pdf) Preparation for Proposal Presentation	3		NK
	19-21 Oct 20	Proposal Presentation	3	Presentation	NK, Advisors

Second Semester

Week	Date	Contents	CLOs	Teaching & Learning	Instructor's Names
1	11 Jan 21	- Course introduction (16 Jan 20, 1 h) - Final draft of progressive report and abstract (Advisors)	3	Lecture Consult with Advisors	NK, Advisors
2	18 Jan 21	Abstract for Senior Project progressive report (Word and Pdf)	3		NK
3	15-19 Feb 21	Progressive Report presentation (R-2308)	3 3 3	Presentation	NK, All Advisors
6-10	22 Feb 21 to 22 Mar 21	Performed experiments 6 th to 10 th submission of experimental work	1,2	Perform experiment and Consult Advisors	Advisors
Mid-term Examination 12-16 Mar 18					
11	12 Mar 21	1 st draft final report (Advisors) and abstract	1,2,3	Consult Advisors	Advisors
12	19 Mar 21	2 st draft final report (Advisors) and abstract	1,2,3		

Week	Date	Contents	CLOs	Teaching & Learning	Instructor's Names
13	26 Mar 21	Abstract for Senior Project Proposal (Word and Pdf)	3		NK
14	1 Apr 21	Final report presentation	3	Presentation	NK, All Advisors
15	2 Apr 21	Final report presentation	3		
16	7 May 21	Submit Final Report (With all signature) 1 copy for Agricultural Science Program 1 copy for Advisor 1 copy for Student	3		NK
Final Examination					

10. Course Assessment

No.	Methods / Activities	Regulations	CLOs	Week	Weight Distribution (%)
11.1	Report of Literature review and Experimental plan	Sent report to Advisors	1,2	2-6	5
11.2	Send Abstract SP01	Sent abstract	3	12	1
11.3	Proposal Presentation	Send Abstract and Proposal to committees 3 days before presentation. Present ≤30 mins Ask Question ≤30 mins Make appointment Book place for Proposal presentation	3	13-15	15
11.4	Performed preliminary experiments	Sent report to Advisors	1,2	7-10	10
First Semester					31

Second Semester

No.	Methods / Activities	Regulations	CLOs	Week	Weight Distribution (%)
11.5	Experimental progressive Report	Sent report to Advisors	1,2	2-6	5
11.6	Send Progressive Abstract SP02	Sent abstract	3	12	1
11.3	Progressive Presentation	Send Abstract and Progressive report to committees 3 days before presentation. Present ≤30 mins Ask Question ≤30 mins Make appointment Book place for Progressive presentation	3	13-16	15
	Performed experiments	Sent report to Advisors	1,2	7-10	10
	Draft Final senior project report	Sent report to Advisors	1,2		5
	Send Final Senior Project Abstract SP03	Sent abstract			1
	Final Presentation	Present ≤30 mins Ask Question ≤30 mins Make appointment Book place for Progressive presentation			15
	Final Senior Project Report	Sent to Dr. Netiya Karaket			10
	Class Participations, Assignment submissions,				7

No.	Methods / Activities	Regulations	CLOs	Week	Weight Distribution (%)
	Consulting Advisor				
Second semester					69
Total					100

11. Grading System

Criterion-referenced evaluation

Grade	Score	Grade	Score	Grade	Score	Grade	Score
A	≥ 80 %	B	70 – 74.99%	C	60 – 64.99%	D	50 – 54.99%
B+	75 – 79.99%	C+	65 – 69.99%	D+	55 – 59.99%	F	< 50 %

Norm-referenced evaluation

*If use both criterion and norm-referenced evaluation, please tick two boxes.

12. References

รายงานการพบอาจารย์ที่ปรึกษาโครงการวิจัยระดับปริญญาตรี

ชื่อโครงการวิจัยระดับปริญญาตรี

ชื่อ-นามสกุล

รหัสนักศึกษา

อาจารย์ที่ปรึกษา

KAAG471 Senior Project Log Form

Name-Surname.....Date.....

Date and Time	Activities and Commentary
Duration of the Meeting	

<p>(.....)</p> <p>Signature of Student</p>	<p>(.....)</p> <p>Signature of Advisor</p>
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