



## Course Syllabus (Academic Year 2020)

School of Interdisciplinary Studies, Kanchanaburi Campus, Mahidol University

1. **Course No. and Title** : KAAG 332 **Landscape Designs**  
**Credit (study hours)** : 3 (2-3-7)
2. **Program Name** : Bachelor of Science Program in Agricultural Science
3. **Course Module** : Elective course  
**Pre/co-requisite** : no
4. **Class Semester** :  1<sup>st</sup> Semester  2<sup>nd</sup> Semester Academic Year 2017
5. **Class Schedule & Venue** : Lecture 10:30 – 12:30 AM, Room **2312** , Lecture Building Laboratory  
 01:30 – 04:30 PM, Room 2312 -, Lecture Building and plant Nursery
6. **Class Coordinator** : Asst.Prof.Dr.sirisak soontornyatara  
 Contact No. : 089-220-4349  
 E-mail : sirisak.soo@mahidol.ac.th.

### 7. Course Description

Meaning, history and styles of garden, site survey and mapping, principle of design and site planning, construction and materials in the landscape, plant material design, decorative and rock gardens, indoor and roof gardens, design of waterfall stream and fountain, cost estimation, computer applications in landscape design, landscape maintenance, discussion and presentation of landscape design projects.

### 8. Course Objectives / Course Learning Outcomes (CLOs)

No.	Objectives / CLOs	Expected Skills / Knowledge		PLOs*
		Specific	Generic	
8.1	To understand history and styles of garden and processes of landscape design.	SS2 Cultivation skill	GS1 Accountability skill GS13 Literacy skill GS17 Numeracy skill	1
8.2	To understand methods and processes of landscape design	SS3 Managerial skill	GS2 Analytical thinking skill GS4 Communication skill GS11 Interpersonal skill GS12 IT skill	3
8.3	To think and analyze data systematically in management of landscape design projects	SS4 Assessment skill	GS2 Analytical thinking skill GS5 Decision making skill GS14 Managing risk GS16 Multidisciplinary teamwork GS20 Resource management skill GS21 Self-awareness skill	3

Footnote: \*PLOs = Program Learning Outcomes

PLO1: apply information and theories in agricultural science to agricultural practice, Applied art , production

management and related disciplines

PLO3: Integrate and apply agricultural science with art, economic, political and environmental concerns and awareness of morals and ethics

## 9. Class Instructor and Laboratory Assistant List

9.1 Name : Asst.Prof.Dr.Sirsak soontornyatara E-mail : [sirsak.soo@mahidol.ac.th](mailto:sirsak.soo@mahidol.ac.th) (Agricultural Science)

9.2 Name : Dr.Yuttana Kamolsil E-mail : [yuttana.kam@mahidol.ac.th](mailto:yuttana.kam@mahidol.ac.th) (Engineer )

9.3 Name : Mr.Matee vibulkeaw E-mail : [matee.vib@mahidol.ac.th](mailto:matee.vib@mahidol.ac.th) (SOU)

## 10. Course Outline

Week	Date	Contents	CLOs	Teaching & Learning	Instructor's Names
1	3 Aug 2020	<u>Lecture</u> : Meaning, history and styles of garden	1	Lecture, Q&A, Assignment	Sirisak
		<u>Laboratory</u> : Study of styles of garden		Practice, Lab report	Sirisak, Metee
2	6 Aug 2020	<u>Lecture</u> : landscape design and garden maintenance business	1, 2	Lecture, Q&A, Assignment	Sirisak
		<u>Laboratory</u> : landscape design and garden maintenance management		Practice, Lab report	Sirisak, Metee
3*	10 Aug 2020	<u>Lecture</u> : site survey and mapping	1, 2	Lecture, Q&A, Assignment	Sirisak
		<u>Laboratory</u> : Study of site survey		Practice, Lab report	Sirisak, Kampol, Metee
4	13 Aug 2020	<u>Lecture</u> : principle of design and site planning	1, 2	Lecture, Q&A, Assignment, Group discussion	Sirisak
		<u>Laboratory</u> : Study of garden design		Practice, Lab report	Sirisak, Metee
5	17 Aug 2020	<u>Lecture</u> : construction and plant materials in the landscape	1, 2	Lecture, Q&A, Assignment, Group discussion	Sirisak
		<u>Laboratory</u> : Classification of construction and plants in the landscape		Practice, Lab report	Sirisak, Metee
6	20 Aug 2020	<u>Lecture</u> : Design of materials and plant in landscape	1, 2	Lecture, Q&A, Assignment	Sirisak
		<u>Laboratory</u> : study of design of materials and plant		Practice, Lab report	Sirisak, Metee
7	24 Aug 2020	<u>Lecture</u> : small garden and rock garden	1, 2	Lecture, Q&A, Assignment	Sirisak
		<u>Laboratory</u> : small garden and rock garden design		Practice, Lab report	Sirisak, Metee

8*	27 Aug 2020	<u>Lecture</u> : indoor garden and roof garden	1, 2	Lecture, Q&A, Assignment, Group discussion	Sirisak
		<u>Laboratory</u> : design of indoor garden and roof garden		Practice, Lab report	Sirisak, Metee
9	<b>Mid-term Examination ( October 2020)</b>				
10	31 Aug 2020	<u>Lecture</u> : waterfall stream and fountain garden	1, 2, 3	Lecture, Q&A, Assignment, Group discussion	Sirisak
		<u>Laboratory</u> : design of waterfall stream and fountain		Practice, Lab report	Sirisak, Metee
11	3 Sep 2020	<u>Lecture</u> : cost estimation	2, 3	Lecture, Q&A, Assignment	Sirisak
		<u>Laboratory</u> : design of cost estimation		Practice, Lab report	Sirisak, Metee
12	7 Sep 2020	<u>Lecture</u> : computer applications in landscape design 1	2, 3	Lecture, Q&A, Assignment	Sirisak
		<u>Laboratory</u> : study of computer applications in landscape design 1		Practice, Lab report	Sirisak, Metee
13	10 Sep 2020	<u>Lecture</u> : computer applications in landscape design 2	2, 3	Lecture, Q&A, Assignment	Yuttana
		<u>Laboratory</u> : study of computer applications in landscape design 2		Practice, Lab report	Yuttana, Metee
14	14 Sep 2020	<u>Lecture</u> : landscape maintenance	3	Lecture, Q&A, Assignment	Yuttana
		<u>Laboratory</u> : study of landscape maintenance		Practice, Lab report	Yuttana, Metee
15	17 Sep 2020	<u>Lecture</u> : Light in landscape,	1, 2, 3	Presentation, Q&A, Report	Sirisak, Metee
		<u>Laboratory</u> : study of Light in landscape			
16	21 Sep 2020	<u>Lecture: discussion and presentation of landscape design projects.</u>	1, 2, 3	Visit agency, Q&A, Report	Sirisak, Metee
17	<b>Final Examination ( December 2020)</b>				

Footnote: \* National holiday (The class will be moved according to the appointment.)

### 11. Course Assessment

No.	Methods / Activities	Regulations	CLOs	Week	Weight Distribution (%)
11.1	Mid-term exam	examination for 3 hours (knowledge of 1 <sup>st</sup> to 8 <sup>th</sup> week)	1, 2	9	30
11.2	Final exam	examination for 3 hours	1, 2, 3	17-18	30

		(knowledge of 10 <sup>th</sup> to 16 <sup>th</sup> week)			
11.3	Quiz / Reports/ Assignments/ Laboratory exam*	will be announced in the class	1, 2, 3	every week	15
11.4	Term paper Report/ Presentation	will be announced in the class	1, 2, 3	14	15
11.5	Class participation	will be announced in the class	1, 2, 3	every week	10
<b>Total</b>					<b>100</b>

## 12. 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.

## 13. References

13.1 Association of Thai Landscape Architects (1997) Plants in landscape architecture. Amarin publishing.144 pp

13.2 Veessommai, U. 1987. Home landscaping, Amarin publishing. 252 pp.

13.3 Durkin, D.J. Roses, In R.A. Larson (1992) Introduction to Floriculture Second Edition, 192 pp.

13.4 Rubenstein, Harvey M.(1980) A Guide to Site and Environmental Planning, 215 pp.