



Suan Sunandha International School of Art (SISA)

Suan Sunandha Rajabhat University

Thai Qualification Framework for Higher Education (TQF3): Course Specification

Course Title	: CDM3301	Applied Statistics
Credit	: 3 (2-2-5)	
Semester	: 1	
Academic Year	: 2020	
Curriculum	: Bachelor of Fine Arts in Creativity and Digital Media (International Program)	
Lecturer	: Assist. Prof. Tawipas Pichaichanarong	
		Suan Sunandha International School of Art (SISA)

Section 1. General Information

1. Code and Course Title : CDM3301 Applied Statistics

2. Credit : 3 (2-2-5)

3. Curriculum and Course Category:

This course offering, a part of the Bachelor of Fine Arts, Creativity and Digital Media Program, Suan Sunandha International School of Art, Suan Sunandha Rajabhat University

is categorized as Creativity and Digital Media Free Elective Course.

4. Lecturer : Assist. Prof. Tawipas Pichaichanarong

E-mail: tawipas.pi@ssru.ac.th

5. Semester / Year Level of Students: Semester 2 / 2nd Year Students

6. Pre-Requisite (if any) : None

7. Co-Requisite (if any) : None

8. Learning Location : Suan Sunandha International School of Art (SISA),

Room: 81/81312, Suan Sunandha Rajabhat University

9. Late Date for Preparing and Revising this Course: -

Section 2. Aims and Objectives

1. Objectives of Course

1.1 To understand Fundamental of Applied Statistics.

1.2 To use real data and real business applications for Applied Statistics , in order to apply for business in general

2. Objectives of Developing/Revising Course -

Section 3. Course Structure

1. Course Outline

Students will be introduced to fundamental of Information.

Focus will be designed to help developing the understanding for applied statistics , in order to apply for every situations in general.

2. Time Length per Semester (Lecture-Hours / Practice-Hours / Self Study-Hours)

Lecture	Practice	Self-Study	Addition
2 hours per week	2 hours per week	5 hours per week	upon student request

3. Time Length per Week for Individual Academic Consulting and Guidance

3.1 Lecturer will be available every Thursday from 13:00 to 16:00 at Suan Sunandha International School of Art or an appointment can be made upon request.

3.2 Lecturer can also be reached via e-mail for any short consultations: tawipas.pi@ssru.ac.th

Section 4. Developing Students' Learning Outcomes

Learning Standard/Outcomes	Learning Activities	Learning Assessment
1. Ethics and Morals		
1.Honesty 2.Integrity 3.Responsibility 4.Punctuality 5.Tolerance 6.Confidence	1. Rules setting such as attending the class on time and regularly 2. Group discussion 3. Group work 4. Responsible for given tasks and be honest in working and examination	1. Evaluation of on time class attendance 2. Evaluation of on time assigned tasks sending 3. Evaluation of harmony in students group working
2. Knowledge		
1. Can apply knowledge in real working time 2. Dare to use information technology in working process rightly in standard 3. Good attitude to profession and work based on moralities and ethics of discipline in business	1. Explain and conclude ideas through teaching documents and presentation by programs of Microsoft PowerPoint, Microsoft Word and Internet 2. Single and group assignment and discussion 3. Games for case studies understanding and conclusion	1. Evaluation by behaviors, attention and class participation 2. Evaluation by group working of related applied statistic's topics and discussion 3. Evaluation by quiz, midterm examination and final examination

	4. Quiz in class	
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Learning Standard/Outcomes	Learning Activities	Learning Assessment
3. Cognitive Skills		
1. Can apply theoretical section and practical part to Business Statistics 2. Can analyze situations in Business Statistics	1. Practice and ideas conclusion by program of Microsoft PowerPoint 2. Assignment of group discussion and report 3. Group analysis based on at present business statistics principles	1. Evaluation by behaviors, attention and class participation 2. Evaluation by group discussion 3. Evaluation by class practice 4. Evaluation by students' ideas conclusion, analysis including with in class evaluation
4. Interpersonal Skills and Responsibilities		
1. Relevant interpersonal skill and classmate 2. Skill of creation and maintenance of interpersonal relationship with colleagues and gain and loss people 3. Professional practice with self-responsibility and public responsibility based on moralities and ethics of discipline in business 4. Being leader and follower while working development	1. Explain and conclude ideas through teaching documents and presentation by programs of Microsoft PowerPoint, Microsoft Word and Internet 2. Group works assignment 3. Group presentation	1. Evaluation by behaviors, attention and class participation 2. Evaluation by group works 3. Evaluation by in class practice
5. Numerical Analysis, Communication and Information Technology Skills		
1. Effective communication skill which are listening,	1. Communicative technology usage practice such as	1. Evaluation by behaviors, attention and class

speaking, reading and writing skills 2. Use the basic probability rules, including additive and multiplication laws, using the terms, independent and mutually exclusive events.	assignment sending via e-mail and creation of forum for ideas sharing 2. In class discussion or playing of case studies games 3. Report presentation skill by using proper forms, tools and technology	participation 2. Evaluation by group discussion and presentation 3. Evaluation by in class practice
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Section 5. Lesson Plan and Assessment

1. Lesson Plan

Week	Topic/Outline	Hours	Learning Activities and Medias	Lecturer
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1	- Course Orientation - Introduction to the course	3	- Group Discussion	Assist. Prof. Tawipas Pichaichanarong
2	-Topics for Applied statistics	3	- Group Discussion - Group Workshop	Assist. Prof. Tawipas Pichaichanarong
3	- Core statistical concepts	3	- Group Discussion	Assist. Prof. Tawipas Pichaichanarong
4	-Practical business examples, scenarios, and exercises	3	- Group Workshop	Assist. Prof. Tawipas Pichaichanarong
5	- Analyze statistical data graphically using frequency distributions and accumulation frequency distributions	3	- Group Workshop	Assist. Prof. Tawipas Pichaichanarong
6	- Individual project assignment	3	- Group Workshop	Assist. Prof. Tawipas Pichaichanarong
7	Midterm Break Week			
8	Midterm Examination Week			
9	- Individual Project Assignment	3	- Group Workshop	Assist. Prof. Tawipas Pichaichanarong
10	- Individual Project Assignment	3	- Group Workshop	Assist. Prof. Tawipas Pichaichanarong
11	- Individual Project Assignment	3	- Group Workshop	Assist. Prof. Tawipas Pichaichanarong
12	- Individual Project Assignment	3	- Group Workshop	Assist. Prof. Tawipas Pichaichanarong
13- 14	- Individual Project Assignment	3	- Group Workshop	Assist. Prof. Tawipas Pichaichanarong
15	- Project – Presentation	3	- Presentation and Criticism	Assist. Prof. Tawipas Pichaichanarong

16	Final Break Week		
17	Final Examination Week		
	Total Hours	39	

2. Learning Assessment Plan

Learning Outcomes	Assessment Activities	Time Schedule	Proportion of Assessment (%)
1. Ethics and Morals			
1. Honesty 2. Integrity 3. Responsibility 4. Punctuality 5. Tolerance 6. Confidence	Behaviors and Class Practical Participation	Every Week	Class Attendance 10%

Learning Outcomes	Assessment Activities	Time Schedule	Proportion of
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			Assessment (%)
2. Knowledge			
1. Can apply knowledge in real working time 2. Dare to use creativity that's profit for films production development 3. Understand in working process rightly in standard 4. Good attitude to profession and work based on moralities and ethics of discipline in business	Midterm and Final Examination Scores	Week 8 and 17	Midterm Examination 20% Final Examination 30%
3. Cognitive Skills			
1. Can apply theoretical section and practical part to business careers and real-world experiences 2. Can analyze situations in business scenarios	Group Discussion and Analysis	Week 1, 2 and 11	Group Discussion 15%
4. Interpersonal Skills and Responsibilities			
1. Relevant interpersonal skill and classmate 2. Skill of creation and maintenance of interpersonal relationship with colleagues and gain and loss people 3. Professional practice with self-responsibility and public responsibility based on moralities and ethics of	Class Participation	Every Week	Class Participation 10%

discipline in business 4. Being leader and follower while working development			
5. Gather, organize, present and interpret statistical data			
1. Effective communication skill which are listening, speaking, reading and writing skills 2. Business, economics, and related majors, to support real-world experiences such as apply a working knowledge of the statistical tools used in business	Group Presentation	Week 10 and 15	Group Presentation 15%

Section 6. Learning and Teaching Resources

Major books and documents

- Applied Statistics Business Economics by Doane

Important document and information

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Suggested document and information

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Section 7. Course Evaluation and Improvement

Strategies for Course Evaluation by Students

- 1.1 Explain to students to understand significance of subject development and students' roles in subject effectiveness evaluation as gain and loss people of program management
- 1.2 Support subject effectiveness evaluation by students before and after studying
- 1.3 Create opinion sharing atmosphere about subject effectiveness between lecturer and students while studying

Strategies for Course Evaluation by Lecturer

- 2.1 Evaluation majorly based on students' participation such as students' behavior and participation consideration
- 2.2 Evaluation by lecturer's point of view such as teaching potential according to set teaching plan evaluation and teaching atmosphere consideration
- 2.3 Evaluation by students' scores
- 2.4 Evaluation of teaching by faculty's academic section

Teaching Revision

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Feedback for Achievement Standards

- 4.1 Students' outcomes, group works' quality and single assignment the whole semester harmony consideration
- 4.2 Proper teaching management plan evaluation, teaching activities creation, giving assignments, evaluation and score assessment with subject description and program objectives

4.3 Cooperation with the next subject lecturer for previous subject evaluation

Methodology and Planning for Course Review and Improvement

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Section 8. Grading System

Score (%)	Grade	Meaning	Value
86-100	A	Exceptional	4.00
82-85	A-	Excellent	3.75
78-81	B+	Very Good	3.50
74-77	B	Good	3.00
70-73	B-	Fairly Good	2.75
66-69	C+	Satisfactory	2.50
62-65	C	Quite Satisfactory	2.00
58-61	C-	Low Satisfactory	1.75
54-57	D+	Poor	1.50
50-53	D	Very Poor	1.00
46-49	D-	Extremely Poor	0.75

0-45	F	Fail	0.00
-	W	Withdraw	-