

Syllabus

Fall Semester 2019

1. Class Information

Course	Basic Statistics		
Course #	GSQR020	Course Classification	Core Cultural Course
Department	National Statistics	Credit (hrs)	3 (3)
Instructor	Professor Sungsoe Rheem	Level	elementary
Contact Info./ Office	Room 407, 2 nd Science and Technology Hall	Office hour	Tue, 5:00–6:00 p.m.
Class Time		Class Location	9-234

2. Core Competencies

Frontier Spirit		Sharing and Collaboration		Pragmatic Practice		Creative Convergence		Global Leadership	
Challenging Spirit	Future Insights	Empathy	Social Engagement	Professionalism	Problem Solving	Innovation	Creativity	Global Mind	Global Communication
				●	●		●		◐

Very highly correlated: ● Highly correlated: ◐

3. Major Competence (Write only for Major courses)

4. Class Type

Class Activity	<input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Presentation <input checked="" type="checkbox"/> Discussion <input type="checkbox"/> Experiment <input type="checkbox"/> Practice <input type="checkbox"/> Collaboration <input type="checkbox"/> Private Teaching <input type="checkbox"/> Collective Teaching <input type="checkbox"/> Quiz <input type="checkbox"/> Q & A
Attendance Check	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Unsupervised Exam <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Description	<p>This course will provide students with fundamental understanding of concepts and fun from logical thinking.</p>

5. Evaluation

Quiz:	Midterm: ●	Final: ●	Attendance: ●	Total:
Evaluation Feedback	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> (Upon Request) <input type="checkbox"/> No	Evaluation Feedback	Abs ●, Rel.	
Evaluation Plan Description	Grades will be determined by the overall score that consists of the attendance score (10%), the midterm exam score (45%), and the final exam score (45%).			

6. Course Planing

Class Description	This course deals with the basics of statistics, which is a science to draw information from data. Students will see how concepts are connected to form a basis for statistics, realizing that an academic discipline is a framework of concepts. This course is considered to help students develop scientific mind and think logically.
Correlation with core competences and departmental objectives	This course will provide students with pragmatic practice including problem solving and a basis for professionalism. Students will also see some creativity that was used in the construction of the framework and the making of the details for this course. In addition, through the effective use of English to express scientific knowledge, students will be able to enhance the ability for global communication.
Study Objectives	Through simple examples, students will understand the framework of statistics and the related details, learning a paradigm that all things that are created, including statistics, consists of two components that are the framework and the details.
Class Objectives	Students actively participate in class by speaking the statements in lecture notes after the professor. This will lead students to have positive attitude.
Prerequisite Subjects	None
Textbook & References	<u>Textbook:</u> Lecture notes written by Professor Sungsue Rheem <u>References:</u>
Homework	

7. Course Schedule

No	Date	Week	Topic	Text	Remark
1	09.02 - 09.07	1	Orientation		
2	09.09 - 09.14	2	Thematic Poem; Contents		
3	09.16 - 09.21	3	Chapter 1. A Population and the Original Distribution of the Response: Part 1		
4	09.23 - 09.28	4	Chapter 1. A Population and the Original Distribution of the Response: Part 2		
5	09.30 - 10.05	5	Chapter 2. Samples and the Sampling Distribution of a Statistic: Part 1		
6	10.07 - 10.12	6	Chapter 2. Samples and the Sampling Distribution of a Statistic: Part 2-1		
7	10.14 - 10.19	7	Chapter 2. Samples and the Sampling Distribution of a Statistic: Part 2-2		
8	10.21 - 10.26	8			Midterm Exam
9	10.28 - 11.02	9	Chapter 2. Samples and the Sampling Distribution of a Statistic: Part 2-3		
10	11.04 - 11.09	10	Chapter 3. The Limit of the Sampling Distribution of the Sample Average		
11	11.11 - 11.16	11	Chapter 4. Hypothesis Testing: Part 1		
12	11.18 - 11.23	12	Chapter 4. Hypothesis Testing: Part 2		
13	11.25 - 11.30	13	Chapter 4. Hypothesis Testing: Part 3		
14	12.02 - 12.07	14	Chapter 5. Maximum Likelihood Estimation		
15	12.09 - 12.14	15	Review and Discussion		
16	12.16 - 12.21	16			Final Exam

8. Support for Disabled Students

Disabled students can ask for assistance according to their needs.

9. Student Learning Ethics and Obligations

Students participating in the educational activities of our school have the following general obligations in all processes of taking courses (lecture attendance, creation and submission of assignments, examination, etc.):

- Learners actively participate in all learning with honesty and passionate attitudes based on the purpose of the university and the educational philosophy of our school.
- Learners are aware of their position as students receiving higher education and devote themselves to creative learning based on moral sensitivity.
- Learners must faithfully implement matters promised by faculty members and fellow students in connection with educational activities.
- Learners respect the character of teachers and other students and observe basic manners.

In the course of learning, plagiarism and the duplicate use of other class tasks, when it is found that it is acquired by dishonest behavior such as examination misconduct or other unreasonable method of obtaining unit, even if it is a unit already certified, will result in the cancellation of that unit. Also, you can undertake disciplinary actions such as suspension, withdrawal, and expulsion, taking into account the circumstances of the act.

The school operates the plagiarism inspection system (Blackboard) to promote the awareness of learning ethics and to promote creativity, and students must confirm whether they fall under plagiarism in advance when submitting tasks.