Appendix 2

Course Schedule

Semester 2020-21 Fall (Semester 2)

1. Course information:

Course Code	STATS2013		Course name	Elementary Statistics	
Credits	3	**Type**	Compulsory course	**Cohort**	2019
Department	School of Geosciences and Environmental Engineering	**Instructor**	Prof. Dariusz Wanatowski		

2. Course expected learning outcomes

Upon completion of the course, students should be able to:

- Demonstrate knowledge of statistical terms.
- Organize and represent data in frequency distributions graphically, using histograms, frequency polygons, ogives, stem and leaf plots.
- Summarize data, using measures of central tendency, such as the mean, median, mode, and midrange.
- Describe data, using measures of variation, such as the range, variance, and standard deviation.
- Determine sample spaces and find the probability of an event, using classical probability or empirical probability.
- Construct a probability distribution for a random variable and find probability of a binomial experiment.
- Identify the properties of a normal distribution and find probabilities for a normally distributed variable.
- Find the confidence interval for the mean and determine the minimum sample size for finding a confidence interval for the mean and a proportion.
- State the null and alternative hypotheses and test means and proportions using the z-test and t-test.
- Test the difference between sample means using the z-test and the t-test.
- Draw a scatter plot, compute the correlation coefficient and compute the equation

of the regression line.

- Test the significance of the linear correlation coefficient.

3. Teaching Calendar:

Course Calendar	Teaching Contents	Requirement of students	Teaching time		Extra-curricular Practice
			Lecture	Practice	
Week 1	Chapter 1 & 2	Textbook, calculator	4	1	Homework
Week 2	Chapter 3	Textbook, calculator, quiz	3	2	----
Week 3	Chapter 4	Textbook, calculator	4	1	Homework
Week 4	Chapter 5	Textbook, calculator, quiz	3	2	----
Week 5	Chapter 6	Textbook, calculator	4	1	Homework
Week 6	Chapter 7	Textbook, calculator, quiz	3	2	----
Week 7	Chapter 8	Textbook, calculator	4	1	Homework
Week 8	NO CLASS	N/A	N/A	N/A	N/A
Week 9	Chapter 9	Textbook, calculator, quiz	3	2	----
Week 10	Chapter 10: Sections 10.1 & 10.2	Textbook, calculator	4	1	Homework
Week 11	Chapter 10: Section 10.3	Textbook, calculator, quiz	3	2	----
Week 12	Final exam	Calculator	N/A	N/A	N/A

4. Textbooks and reference books:

Elementary Statistics: A Step-by-Step Approach, 10th edition, by Allan G. Bluman.

5. Evaluation Forms and Scoring Standards:

Final exam: 50%, Others: 50%, others consist of the following parts:

Evaluation Forms	Evaluation Content	Its Percentage of Others
Labs	N/A	N/A
Homework	5 times	25%
Quiz	5 times	25%
Papers	N/A	N/A
Attendance	Max. 20 points	Max. 5% (extra credit)
Final exam	Whole syllabus	50%

6. Tips for student success:

Attendance is COMPULSORY. It is necessary to be successful in this class. Active participation is highly encouraged. The more you put into this class, the more you will get out. Additionally, it is YOUR responsibility to come to class prepared. You will be responsible for bringing your textbook EVERY WEEK and making your own notes in the lectures. The table on page 3 gives you the tentative timetable of the course. Please make sure you have all necessary materials to participate in each lecture.

7. Academic integrity:

In this course, assignments including homework should represent your individual effort, unless explicitly stated in the assignment. You may talk with other students and tutors about assignments, but you should work through the computations and submit your own answers.

Oklahoma State University and Southwest Jiaotong University are both committed to the maintenance of the highest standards of integrity and ethical conduct of its members. This level of ethical behavior and integrity will be maintained in this course. Participating in a behavior that violates academic integrity (e.g., unauthorized collaboration, plagiarism, multiple submissions, cheating on examinations, fabricating information, helping another person cheat, unauthorized advance access to examinations, altering or destroying the work of others, and fraudulently altering academic records) will result in your being sanctioned. Violations may subject you to disciplinary action including the following: receiving a failing grade on an

assignment, examination or course, receiving a notation of a violation of academic integrity on your transcript (F!), and being suspended from the University.

8. Other course details: See Appendix 1