Instructor: 蔡青志  
Office, Phone, & E-mail of the Course: Room 61309  
(06)2757575 #53135  
sctsai@mail.ncku.edu.tw  
Office Hours: Thu. 16:00 – 17:00 or by appointment  
Course Time: Tue. 08:10 – 09:00; Thu. 10:10 – 12:00  
Room 61101

實習課：  Mon 17:10 -- 18:00 at computer lab or class room.

T. A.: 劉俊宏  Office Room: 61114  Email: r76981025@mail.ncku.edu.tw
傅聖揚  Email: r36981051@mail.ncku.edu.tw
Office Hours: Mon: 19:00 – 21:00.

I. Purpose:
To learn elementary statistics, we will cover the following three main parts of statistics
1. Descriptive statistics - summarizing and organizing data; averages, variance, percentiles, etc.
2. Probability - predicting the properties of a sample taken randomly from a know population. Probability rules, conditional probability, Bayes' Theorem.
3. Statistical inference - inferring the properties of a population from data about a randomly chosen sample. Sampling, significance, p-values, hypothesis testing, linear regression.

II. Textbook:
Statistics for Business and Economics, 11th edition,  
by David Anderson, Dennis Sweeney, Thomas Williams. (滄海圖書代理)
This class will cover chapter 1-11 of this textbook.

III. Online teaching system:
Lecture ppt files, handouts, homework assignments, data sets, announcements, etc. will be posted on the following website regularly:
http://aacsbc.management.ncku.edu.tw/

IV. Grading Policy:
Individual assignments: 20 %. No late turned-in assignment will be accepted.
First exam: 20 %
Second exam: 20 %.
Final exam: 30 %
Participation: 10 %.
Cheating and plagiarism will not be tolerated and will result in a failing grade for the course.
- Grading percentage for multiple assessment (see the table below):

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<tr>
<th>Percentage</th>
<th>Item</th>
<th>AACSB at IIM Criteria</th>
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<td>IT</td>
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<td>20</td>
<td>Individual Assignment</td>
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AACSB = The Association to Advance Collegiate Schools of Business  
IIM = Industrial and Information Management

**IT = Information Technology**  
Proficiency of using as much IT advantages as possible, such as using the Statistics software Minitab to solve problems encountered in the industry context.

**OC = Oral Communication**  
Examination of the breadth, the depth, and the structure of the speaking content, including skills of using non-language expressions, different communication tools and taking questions.

**PS = Problem Solving**  
Demonstrate exceptional ability in identifying and diagnosing problems encountered in this context.

**CI = Creativity and Innovation**  
Ideas presented with originality, transparent to solution finding and relevance to the subject. Degree of getting analysis errors will also be examined.

**VP = Values and Professionalism**  
Being aware of rules, policies and norms used in the statistics arena for display.