

COURSE SYLLABUS

Business Statistics 2, 7.5 credits

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Course Code: JB2K17	Education Cycle: First-cycle level
Confirmed: Jan 27, 2025	Disciplinary domain: Technology
Valid From: Sep 01, 2025	Subject group: Statistics
	Specialised in: G1F First cycle, has less than 60 credits in first-cycle course/s as entry requirements
	Main field of study: Statistics

Intended Learning Outcomes (ILO)

On completion of the course the student will be able to:

Knowledge and understanding

- Explain the limitations of model based statistics
- Discuss the pros and cons of model based and parametric inference
- Explain the difference between random sample data and time series data
- Explain the potential of various sampling methods

Skills and abilities

Among the methods (statistical "tools") included in the course, the students will be able to:

- Determine the appropriate model for a certain statistical problem
- Identify a miss-specified model
- Conduct basic statistical analyses in SPSS
- Present a statistical analysis in a readable document

Judgement and approach

Among the methods (statistical "tools") included in the course, the students will be able to:

- Assess the general usefulness/weaknesses of the statistical analyses treated in the course

Content

Some major topics covered in this course are: Simple linear regression,

- Correlation analysis,
- Simple linear regression,
- Multiple regressions,
- Time series analysis,
- Nonparametric methods and chi-square tests,
- Sampling methodology.

Type of instruction

Lectures and computer lab exercises.

Language of instruction is English.

Entry requirements

General entry requirements and Business Statistics 1, 7.5 credits (or the equivalent). Proof of English proficiency is required.

Examination and grades

The course is graded A, B, C, D, E, FX or F.

The ILOs within Knowledge and understanding will be graded by a written exam while the ILOs within skills and abilities will be graded by computer assignments. The ILOs within Judgment and approach will be graded by both the written exam and the computer assignments.

All parts of the compulsory examination in the course must be passed with a passing grade (A-E or Pass) before a final grade can be set. Grade is set in accordance to JIBS grading policy.

Registration of examination:

Name of the Test	Value	Grading
Written exam	6 credits	A/B/C/D/E/FX/F
Computer Assignments	1.5 credits	G/U

Course evaluation

The course evaluation is important for the continuous improvement of JIBS' courses and degree programmes. The examiner is responsible for ensuring that each course is evaluated, but as a student you are essential in this process. We rely on your input to understand how we can improve. At the outset of a course the student representatives are identified. In the middle of the course there should be an opportunity for the student representatives (or a larger group of students) to share reflections on how the course is progressing. At the end of the course, you will get a course evaluation survey to fill in. The examiner will then host a debrief meeting with the student representatives to discuss improvement opportunities, based on the course evaluation data and comments.

Other information

Academic integrity

JIBS students are expected to maintain a strong academic integrity. This implies to behave within the boundaries of academic rules and expectations relating to all types of teaching and examination.

Copying someone else's work is a particularly serious offence and can lead to disciplinary action. When you copy someone else's work, you are plagiarising. You must not copy sections of work (such as paragraphs, diagrams, tables and words) from any other person, including another student or any other author. Cutting and pasting is a clear example of plagiarism. There is a workshop and online resources to assist you in not plagiarising called the Interactive Anti-Plagiarism Guide.

Other forms of breaking academic integrity include (but are not limited to) adding your name to a project you did not work on (or allowing someone to add their name), cheating on an examination, helping other students to cheat and submitting other students work as your own, and using non-allowed electronic equipment during an examination. All of these make you liable to disciplinary action.

Course literature

Please note that changes may be made to the reading list up until eight weeks before the start of the course.

Anderson, Sweeney, Freeman, Williams and Shoemith. *Statistics for Business and Economics*, ISBN 978-1-4080-1810-1. South-Western CENGAGE learning. Latest edition.