



浙江大學

BUAS973
Business Analysis

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Business Analysis

Instructor Contact Details

Lecturer-in-charge: TBA

Email: wlwyxy_29@zju.edu.cn

Office location: Huajiachi Campus, Zhejiang University

Consultation Time: to be announced, and by appointment

Teaching Times, Modes and Locations

The Time: TBA

Modes: Online/Face-to-face

Location: Anywhere via online/Huajiachi Campus, Zhejiang University via face-to-face

Academic Level

Postgraduate

Units of Credit

The course is worth 6 units of credit

Credit Hours

The number of credit hours of this course equals to the credits of a standard semester-long Australian university course.

Contact Hours

The course contains a total of 53 contact hours, which consists of orientation, lectures, seminars, quiz, discussion, research, case study, small tests, assignments, on-site field trip(s), in-class and after-class activities, revision and final exam. Students will receive an official transcript which is issued by Zhejiang University when completing this course.

Course Description:

This unit provides the skills needed to progress in business operations analytics. Students are able to identify business opportunities where quantitative analysis is beneficial, gain practical experience in the use of different sophisticated analytical tools and techniques to analyze the business operations of a company or organization and to make management decisions on operational issues. Topics include production operation, order processing, supply and demand, quality control, technologies needed in the manufacturing process, financial issues and other fields of operation activities that creating a greater value for the enterprises.

Prerequisite:

N/A

Learning Resources

- Heizer, J., Render, B., (2016). Principles of Operations Management: Sustainability and Supply Chain Management, Global Edition + MyLab Operations Management with eText, 10th Edition, Pearson.

Learning Objectives

On successful completion of the course, you should be able to:

1. Articulate and explain the roles and responsibilities of business analysts;
2. Show a comprehensive understanding of a variety of contemporary concepts and best practices used in business operations management;
3. Develop a proper quantitative model to solve with operations;
4. Analyse situations and opportunities where complex quantitative analysis will contribute to business innovations and decisions;
5. Communicate complex analytical ideas and findings in a meaningful and easily understood way for a broad business audience.

Course Delivery:

- Online Lecture mode includes lectures, seminars, quiz, discussion, research, case study, small tests, assignments, online field trip(s), in-class activities, revision and final exam.

- Face-to-face Lecture mode includes lectures, seminars, quiz, discussion, research, case study, small tests, assignments, on-site field trip(s), in-class and after-class activities, revision and final exam.

The following course will be taught in English. There will also be guest speakers and optional field trips available for students who would like to enhance their learning experience. All courses and other sessions will be run during weekdays.

Topics and Course Schedule:

Activities	
Orientation	
Introduction	Lecture; Tutorial
Operations and Productivity	Lecture; Tutorial
Operations Strategy and project management	Lecture; Tutorial
Forecasting and Data Visualization	Lecture; Tutorial
Designing operations; Sustainability in the supply chain; Process Strategy;	Lecture; Tutorial
Seminar	
Capacity and Constraint Management; Human Resources, job design, and work measurement	Lecture; Tutorial
Supply Chain management; Inventory management	Lecture; Tutorial
Seminar	
Material Requirements Planning and ERP	Lecture; Tutorial
Short-term scheduling; Long term Planning	Lecture; Tutorial

Simulation	Lecture; Tutorial
Optimization	Lecture; Tutorial
Lean operations	Lecture; Tutorial
Maintenance and Reliability	Lecture; Tutorial
Revision	
Final exam	

Assessments:

Individual assignment	15%
Quiz	15%
Homework	20%
Final exam	50%

Grade Descriptors:

HD	High Distinction	85-100
D	Distinction	75-84
Cr	Credit	65-74
P	Pass	50-64
F	Fail	0-49

High Distinction 85-100

Treatment of material evidences an advanced synthesis of ideas

Demonstration of initiative, complex understanding and analysis

Work is well-written and stylistically sophisticated, including appropriate referencing, clarity, and some creativity where appropriate

All criteria addressed to a high level

Distinction 75-84

Treatment of material evidences an advanced understanding of ideas

Demonstration of initiative, complex understanding and analysis

Work is well-written and stylistically strong

All criteria addressed strongly

Credit 65-74

Treatment of material displays a good understanding of ideas

Work is well-written and stylistically sound, with a minimum of syntactical errors

All criteria addressed clearly

Pass 50-64

Treatment of material indicates a satisfactory understanding of ideas

Work is adequately written, with some syntactical errors

Most criteria addressed adequately

Fail 0-49

Treatment of ideas indicates an inadequate understanding of ideas

Written style inappropriate to task; major problems with expression

Most criteria not clearly or adequately addressed

Academic Integrity

Students are expected to uphold the university's academic honesty principles which are an integral part of the university's core values and principles. If a student fails to observe the acceptable standards of academic honesty, they could attract penalties and even disqualification from the course in more serious circumstances. Students are responsible for knowing and observing accepted principles of research, writing and any other task which they are required to complete.

Academic dishonesty or cheating includes acts of plagiarism, misrepresentation, fabrication, failure to reference materials used properly and forgery. These may include, but are not limited to: claiming the work of others as your own, deliberately applying false and inaccurate information, copying the work of others in part or whole, allowing others in the course to copy your work in part or whole, failing to appropriately acknowledge the work of other

scholars/authors through acceptable referencing standards, purchasing papers or writing papers for other students and submitting the same paper twice for the same subject.

This Academic Integrity policy applies to all students of the Zhejiang University in all programs of study, including non-graduating students. It is to reinforce the University's commitment to maintain integrity and honesty in all academic activities of the University community.

Policy

- The foundation of good academic work is honesty. Maintaining academic integrity upholds the standards of the University.
- The responsibility for maintaining integrity in all the activities of the academic community lies with the students as well as the faculty and the University. Everyone in this community must work together to ensure that the values of truth, trust and justice are upheld.
- Academic dishonesty affects the University's reputation and devalues the degrees offered.
- The University will impose serious penalties on students who are found to have violated this Policy. The following penalties may be imposed:
 - Expulsion;
 - Suspension;
 - Zero mark/fail grade;
 - Marking down;
 - Re-doing/re-submitting of assignments or reports; and
 - Verbal or written warning.