

COURSE SYLLABUS

Accounting and Finance for Managers, 7.5 credits

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Course Code:	JAFR25	Education Cycle:	Second-cycle level
Confirmed by:	Council for Undergraduate and Masters Education Aug 10, 2015	Disciplinary domain:	Social sciences (75%) and natural sciences (25%)
Revised by:	Council for Undergraduate and Masters Education Mar 28, 2022	Subject group:	FE1
Valid From:	Aug 22, 2022	Specialised in:	A1N
Version:	2	Main field of study:	General Management

Intended Learning Outcomes (ILO)

After completing the course the students should be able to:

Knowledge and understanding

1. account for calculation theory and fundamental management accounting concepts in an engineering setting
2. account for calculation practice and its historical development
3. account for current development trends in the area of strategic management accounting

Skills and abilities

4. apply different methods for short and long-term calculation and assess the suitability of the method applied
5. identify the need for different assessment data based on the choice of calculation method and assess the suitability for different engineering management situations along the value chain
6. identify and, based on calculation theory, analyze calculation-related issues and solutions based on reality-based situations in collaboration with other students, and within set time frames report the results both in writing and orally

Judgement and approach

7. critically discuss the scientific, social, ethical, and personal responsibility aspects of managerial work in relation to calculative practices, including the role, use, and development of financial information and control mechanisms.

Contents

The course aims to equip the students with theoretical and practical knowledge in accounting and finance in an industrial and engineering business setting. The course is designed to give students an overall picture of the calculative practices relevant on the managerial level. The course provides also an introduction to using a spreadsheet program for doing financial calculations and demonstrates how to build up a financial model for a company.

Important topics covered during the course include:

- calculation theory for short and long-term decisions
- various capital budgeting methods for long-term calculation
- methods for determining the cost of capital
- various costing methods for short-term calculation
- Swedish calculation practice and its development trends
- calculation processes in organizations' managerial work
- strategic management accounting
- various performance measurement methods and related KPIs

Connection to Research and Practice

The objective of the course is to give students tools to practically conduct analysis to inform operational and strategic decision-making in an engineering setting. The course is grounded in the forefront of academic research in management accounting and control with several research papers as part of the course literature. During the written examination students are asked to reflect on the concepts in the literature both regarding a historical and contemporary point of view.

Reflection on the advancements of research and on how different theories and methods both complement and substitute each other are integral parts of examination. The relevance of these theories and methods are made visible through seminars and a group project work where students act as consultants for a real company in which, they conduct analytical work on a presented problem. The empirical work includes solutions and recommendations for management and are presented in a final report.

Type of instruction

Lectures and readings

The relevant theories and concepts will be covered in teacher led lectures. To foster students understanding, students are expected to read the assigned literature before class (see course schedule). It is important to note that the lectures are not substitutes for the assigned readings. Rather the lectures and the readings complement each other and are both relevant for the examination.

Exercise Seminars and Computer Labs

In addition to the lectures, exercise seminars will be held to assist students in building their practical skills in relation to calculative practices. The seminar sessions give an opportunity to train for the written exam and to use the theories and concepts learned in the lectures in a more practical manner.

Cooperative Learning

The ability to function effectively in team work is an important aspect of managerial work. Particularly in a global context mutual understanding and working together across different cultural backgrounds is an important feature of every day work. Therefore, the final grade (equal to 3.5 ECTS) will be based on a group assignment related to a case study that is conducted

together in a group of students from the course.

Students are also encouraged to form study groups. Study groups provide a useful venue for sharing insights and problems, and will help to achieve best performance.

The teaching is conducted in English.

Prerequisites

Bachelor's degree (i.e the equivalent of 180 credits at an accredited university) with at least 90 credits in engineering (or the equivalent).

Examination and grades

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

The final grade is composed of two parts: an individual written final exam (4 hp) and the final group assignment (3,5 hp).

In the individual written exam the students' understanding of theory in use and the basic concepts in the course is tested. In the group assignments the technical calculation abilities in accounting and finance are tested. A pass grade must be achieved on both the individual written exam and group assignment in order to pass the course. To pass with distinction, students need to show excellence in several of the learning outcomes. In particular it is relevant to show a clear understanding of the central accounting and finance concepts and the links between the managerial work and calculative practices.

ILO 1, 2, 3, and 7 are examined through the written individual exam

ILO 4, 5 and 6 are examined through the group assignment

Registration of examination:

Name of the Test	Value	Grading
Written individual examination	4 credits	A/B/C/D/E/FX/F
Group assignment	3.5 credits	A/B/C/D/E/FX/F

Course evaluation

It is the responsibility of the examiner to ensure that each course is evaluated. At the outset of the course, the programme evaluators in the course must be contacted. In the middle of the course, the examiner should meet the programme evaluators to identify strengths/weaknesses in the first half of the course.

At the end of the course, the examiner should remind students to fill in the survey. The examiner should also call a meeting with the programme evaluators to debrief the course, based on course evaluation data and comments. The next time the course runs, students should be informed of any measures taken to improve the course based on the previous course evaluations.

At the end of each study period, JIBS' Director of Quality and Accreditation crafts a "Course Evaluation Quarter Report", presenting the quantitative results from course evaluation surveys. The Associate Dean of Education, The Associate Deans of Faculty, Programme Directors, and JSA President and Quality receive the report.

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 plagiarizing. 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 plagiarizing 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

Atrill/ McLaney, *Management Accounting for Decision Makers*, Pearson global edition (latest)

Scarborough D.P. and Alpenberg, J. (latest). *Costs: Reduction, Analysis & Measurements*. Sakura House Publications, Etobicoke, Canada, ISBN 978-0-9809228-0-6. (digital version for free by the author)

Scientific articles and other additional readings might be assigned during the course.