Hands-On Analytics on Accounting Information Systems

(ABL-C1102), March- April 2023

Course Info

It is a private presentation for the course at Aalto University, and we request you not to share the presentation publicly.

Instructor

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Assistant Professor

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Aalto University, Department of Accounting

Have 8+ years of experience in risk management and automation in Financial services

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Learning Objectives

(1) Understand the principles of Accounting Information Systems (AIS) and Enterprise Resource Planning Systems (ERP), including documentation, change planning, and implementation

(2) Understand and apply hands on data analysis (using databases, SQL, and advanced excel techniques) for accounting and controlling purposes

(3) Analyse key AIS/ERP risks (e.g., fraud)

(4) Apply internal control and risk management strategies/frameworks

Course partners

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datacamp

accoun+or

4

Assessment and Grading

Final Grade: 0 – 5

- ❑ Individual assignment --> 10 hours in total, three courses on SQL and data management for 35 points on Datacamp. 5 points for a class assignment **in the last lecture** --> we do it together in the class, and then you go home and finalize it and submit the assignment.
- ❑ Group case assignment (1) --> Hands-on practice with Accountor ERP and reflection worth 15 points.
- ❑ Group case assignment (2) --> Case Analysis worth 15 points (2 cases)
- ❑ Exam --> 30 points. **There will be only Two Exams** - one main and one re-Exam!
- ❑ 10 Bonus point opportunity if you pass the Accountor Certification test

To PASS: All three criteria must be fulfilled --> 1) Individual and Group Assignments combined (50% out of 70 points) + 2) Exam (50% out of 30 points) + 3) Overall (50% out of 100 points)

A minimum of 50% from the exam AND a minimum of 50% from the Individual and group assignments combined is required to pass the course. Overall 50% from the course

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First Task

1. Contact other course participants and form a team of 4.
   - In MyCourses → 'General discussion', you may indicate that you are searching for a team.
2. In MyCourses → 'Choose your Team' → Click the checkbox of the team number of your choice

❖ **The choice has to be made before 3ʳᵈ March, 11:59 PM Helsinki Time**

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Individual Assignments: SQL Courses from DataCamp (35 points)

- **Instructions and submissions in MyCourses → 'Database Management Module'**
  - Detailed instructions are in the Mycourses page
    - Individual assignments
    - You will receive invite to complete the three courses "Introduction to SQL," "Intermediate SQL" and "Joining Data in SQL" on Data camp
    - Follow the activities/videos/presentations/documents in the "Database Management Module" on mycourses to understand SQL and complete your assignment on Datacamp.
    - **By 11th April 2023, 11:59 PM/23:59 Helsinki time, you should upload the certification from Datacamp to get your credits of 35 points registered**
    - Remember that you cannot finish this assignment in a day or two. So, in parallel to the course continue finalizing the three assignments!
    - Introduction to SQL – 7 points, Intermediate SQL – 14 points, Joining Data in SQL – 14 points

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Class Assignment: 5 Points (Individual)

We do it together in the class on 5ᵗʰ April, and then you have time to submit it after the class. If you attend the class, you will not need to redo it and waste time at home. Also, this will be the last lecture and I tell you about the exam!

Due on Monday 10ᵗʰ Apr 2023, 11:59 PM Helsinki Time

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Group work (Accountor report and five assignments: 15 points)

- **Instructions and submissions in MyCourses → 'Module: Accountor'**
  - Detailed instructions are in the Mycourses page
    - More general instructions are in the syllabus
    - Group assignment
    - You will receive Accountor login details soon
    - Follow the activities/videos/presentations/documents in the "Module: Accountor" to understand the Accountor system and complete your assignment.
    - The six group assignments from Accountor module (two in Accountor module, three in Module II and one in Module V) need to be reflected in the final group reflection where grades of 15 points are provided. It is groups responsibility to follow the instructions of the six assignments and complete them.
    - **By 11th April, 2023, 11:59 PM/23:59 Helsinki Time you should upload your group reflection to get your credits of 15 points registered**
    - Remember that you cannot finish this assignment in a day or two. So, in parallel to the course continue finalizing the assignment!

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Group work (Two cases assignments: 15 points)

Case Assignments

Group Assignment: Case Module I (7 points) -- 9 March 2023, 11:59 PM Helsinki Time

Group Assignment: Case Module III (8 points) – 30 March 2023, 11:59 PM Helsinki Time

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Exam

Online exam- **Wed 19 April 9:00 – 12 Helsinki Time**

Online re-exam – **Mon 29 May 16.00–19.00 Helsinki Time**

Schedule of Assignments
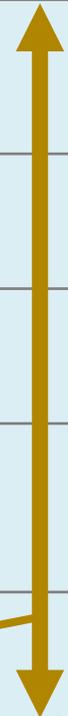
Assignment	Date and time of submission
Please choose your team	Fri 3 Mar 2023, 11:59 PM Helsinki Time
Group Assignment: Case Module I	Thu 9 Mar 2023, 11:59 PM Helsinki Time
Group Assignment: Case Module III	Thu 30 Mar 2023, 11:59 PM Helsinki Time
Group Assignment: Accountor six assignments* and report	Tue 11 Apr 2023, 11:59 PM Helsinki Time
Individual Assignment: SQL certification – 3 courses	Tue 11 Apr 2023, 11:59 PM Helsinki Time
Individual Assignment: Class assignment	Monday 10 Apr 2023, 11:59 PM Helsinki Time

The six assignments from accountor module (two in Accountor module, three in Module II, and one in Module V) need to be reflected in the final group reflection where grades of 15 points are provided. It is group's responsibility to follow the instructions of the five assignments and complete them.

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Schedule of course (All HELSINKI TIMES)

Week	Monday	Tuesday	Wednesday	Thursday	Friday	Accountor	SQL	
1			Module I and Introduction (1st March 9:15-11:45)					Asynchronous Learning Through Videos
2			Module II Transactions (8th March 9:15-11:45)	Case Assignment Module I: Systems Documentation is due (9th March 11:59 PM)				
3		Pre-read Fraud case	Module IV: Fraud (15th March 9:15-11:45)					
4		Pre-read the assigned Case	Module III: Investments (22nd March 9:15-11:45)					
5		Pre-read Danske bank Case	Module V: Risk Management (29th March 9:15-11:45)	Case Assignment Module III: Managing the move to the cloud is due (30th March 11:59 PM)				
6			Audit Class Assignment (5th April 9:15-11:45)					
	10 April, 11:59 PM	Due (11th April 11:59 PM)						

Schedule for bonus points (optional) -- Individual

Accountor certification test (only 10% pass rate) can fetch you 10 bonus points. Further details on the test will
Be provided soon! → Check the Accountor Module page

Show interest by Tuesday, March 14, 23:59 Helsinki Time

Due: Certificate submission, Monday, 24 April, 23:59 Helsinki Time

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Thank You

READINGS

- Course videos, class lectures, slides and other provided materials

Questions about the course should be asked primarily

- During the lectures
- In the course website (in MyCourses) → General discussion

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