

2025 Computing B

Teacher: Philip Spaelti

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Office hours: Monday 15:00 - 16:00, but you can visit me anytime

Office: Building 13, 2F

Course Topic

Databases

One of the main uses of computers is to store large amounts of data, and to allow users to quickly find relevant data.

Course Goals

This class you will learn...

- How to use spreadsheets to make a simple database
- How to use database software to make a more complex database with forms for entering data
- How to get data out of a database using the SQL query language

Grades

The grade for this class will be based on...

- Homework (4x)
- Final Project

Make sure to hand them in on time. But most important: *hand them in!*

Rules for the class

- If you do not hand in the final project, you will not pass this class

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Week	Date	Topic	Assignment
1	2025.10.2	Databases intro	
2	2025.10.9	Spreadsheets - basics Tables as DB — Records / Fields	Assignment 1 - Spreadsheet
3	2025.10.16	Spreadsheets - basics Simple calculations	[due]
4	2025.10.23	Spreadsheets - formulas Text calculations	
5	2025.10.30	Spreadsheets - formulas Match/Index/Lookup	Assignment 2 - Formulas
6	2025.11.6	Intro to Access	[due]
7	2025.11.13	Tables and Forms Making forms with wizard and import	
8	2025.11.20	Tables and Forms Form controls, pop-up menus	Assignment 3 - DB
9	2025.11.27	Tables and Forms Relationships	[due]
10	2025.12.4	SQL - Queries Basic SQL syntax	
11	2025.12.11	SQL - Queries	Assignment 4 - SQL
12	2025.12.18	SQL - Queries	[due]
New Year's Holiday			
13	2026.1.8	Database security	
14	2026.1.15	Project	
15	2026.1.22	Project	Final project due