



Building Technology for Real Estate Agents/Managers 7.5 cr

Byggnadsteknik för fastighetsmäklare/-ekonomer 7,5 hp

Set by Faculty of Engineering and Sustainable Development

| Version | Set at | Valid from |
|---------|---------|---------------|
| | 2/25/21 | HT2021 |

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| Level | G1N |
| Education level | First cycle |
| Course identifier | BYG004 |
| Credits | 7.5 cr |
| Main field of study | Building Engineering |
| Subject group | Building Technology |
| Disciplinary domain | Technology 100.0 % |

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| Learning outcomes | After completion of the course the student shall be able to 1. explain the functional requirements on buildings 2. state the terminology of building components and systems, and describe their build-up and identify building materials 3. state the concept of doing changes to a building 4. state the building inspection techniques, causes of damage and faults, and risks from changes in buildings 5. state the fundamentals of drawing techniques, interpret drawings and perform area calculations for detached houses 6. interpret the housing and plan legislation 7. describe the processes of construction and planning permission, and the building completion insurance 8. describe environmental certifications processes of buildings 9. explain climate declaration and energy performance certificate 10. state the importance of ethics and responsibilities related to building inspections. |
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| Course content | Functional requirements on buildings Building parts and building techniques Installations and indoor environment |
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- Building physics: moisture, heat and energy balance
- Building materials, durability and life cycles
- Housing and plan legislation, process of construction and building permits, and building completion insurance
- Changes of buildings (renovation, rebuilding and extension of buildings)
- Area calculations based on Swedish Standard, fundamental drawing techniques and analyse of drawings
- Energy performance certificate and climate declaration. Environmental certification
- Structural damage, transfer inspection
- Ethics and responsibilities related to building inspections

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| Teaching | Lectures and study assignments |
| Prerequisites | General entry requirements |
| Examination | Written examinations |
| | 0010 Written online examination 1 4 cr, examines learning outcomes 1-4, grades A-F |
| | 0020 Written online examination 2 3,5 cr, examines learning outcomes 5-10, grades A-F |
| Grade | A, B, C, D, E, Fx, F |
| Other regulations | Degree criteria for final grade will be given by course responsible or examiner latest at the beginning of the course. |
| Sustainable environment | A minor part of the course content deals with sustainable development. |
| Module | 0010 Written online examination 1 4 cr Grade: AF |
| | 0020 Written online examination 2 3.5 cr Grade: AF |