

Hydropower Plants: Generating and Pumping Units

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Syllabus

- 09 Sept.: L1 – Fundamentals of hydropower
- 16 Sept.: L2 – Hydraulic energy conversion
- 23 Sept.: E1 – Exercises 1
- 30 Sept.: L3 – Hydroelectric units components and control
- 07 Oct.: E2 – Exercises 2
- 14 Oct.: L4 – High head generating units
- 28 Oct.: E3 – Exercises 3
- 04 Nov.: L5 – Medium & low head generating units
- 11 Nov.: E4 – Exercises 4 + lab visit

Syllabus

- 18 Nov.: L6 – Pumping units
- 25 Nov.: E5 – Exercises 5
- 02 Dec.: L7 – Sustainability standards for hydropower plants
- 09 Dec.: E6 – Exercises 6
- 16 Dec.: E7 – Q&A and Mock Exam

Exam

- Divided in 2 parts:
 - First part: multiple-choice questions
 - Second part: problems to solve (similar to what we solve during the exercise sessions)
- 3 hours in total:
 - 45 minutes first part
 - 15 minutes break
 - 2 hours second part
- First part is close book
- Second part is open book – all the material can be used, printed or on the laptop offline
- Score:
 - 40% first part
 - 60% second part

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THANK YOU

**For your kind
attention**

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