Specialized Master in Nuclear Engineering

Could you please connect and check http://bnen.sckcen.be/

Unique year | MS-NUAP

Compulsory courses

CHIM-Y600 Nuclear materials
- 3 credits
- academic year: 3
- English
- 2 ECTS - KULeuven; 1 ECTS ULg - Jacqueline LECOMTE-BECKERS, Walter BOGAERTS, Eric VAN WALLE

ELEC-Y600 Introduction to nuclear energy
- 3 credits
- academic year: 3
- English
- KULeuven - William D'HAESELEER

MECA-Y600 Nuclear thermal hydraulics
- 5 credits
- academic year: 5
- English
- UCL - Yann BARTOSIEWICZ

PHYS-H602 Introduction to nuclear physics and measurements
- 3 credits
- academic year: 3
- French
- ULB - Nicolas PAULY, Alain DUBUS

PHYS-Y601 Nuclear reactor theory
- 6 credits
- academic year: 6
- English
- 2 ECTS - KULeuven; 2 ECTS - UGent; 2 ECTS - VUB - William D'HAESELEER, Jean-Marie NOTERDAEME, Peter BAETEN

PHYS-Y602 Nuclear fuel cycle
- 3 credits
- academic year: 3
- English
- UGent - Hubert DRUENNE, Pierre VAN ISEGHEM

PHYS-Y603 Radiation protection
- 3 credits
- academic year: 3
- English
- UGent - Hubert THIERENS, Klaus BACHER

PHYS-Y608 Safety of nuclear power plants
- 3 credits
- academic year: 3
- English
- 3 ECTS - UGent; 2 ECTS - ULB; Hubert DRUENNE, Pierre-Étienne LABEAU, Greet HANSSENS-MAENHOUT

Elective modules

A total of nine credits chosen from the following

PHYS-Y605 Advanced nuclear materials
- 3 credits
- academic year: 3
- English
- 2 ECTS - KULeuven; 1 ECTS - ULg - Walter BOGAERTS, Jacqueline LECOMTE-BECKERS, Eric VAN WALLE

PHYS-Y607 Nuclear and radiological risk governance
- 3 credits
- academic year: 3
- English
- 1 ECTS - UGent; 2 ECTS - UCL - Frank HARDEMAN, Greet JANSSENS-MAENHOUT

PHYS-Y609 Advanced radiation protection/radiation ecology
- 3 credits
- academic year: 3
- English
- UGent, Klaus BACER
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**Memory**

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