



National Institute of Technology Rourkela

Courses on Environmental Sustainability which addresses many SDG Goals
offered by National Institute of Technology (NIT) Rourkela

Earth and Atmospheric Sciences

<https://website.nitrkl.ac.in/Academics/AcademicDepartments/CurriculaSyllabi.aspx?fgdhwe34=RVI6RWFydGggYW5kIEF0bW9zcGhlcmijIFNjaWVvY2Vz-uvDHxhOGOnc%3d>

M.Sc. (Undergraduate / Masters level courses)

ER5407 SCIENCE OF CLIMATE AND CLIMATE CHANGE	3 credits [3-0-0]
ER5614 CLIMATE MODELLING	4 credits [3-1-0]
ER5674 CLIMATE DIAGNOSTICS LABORATORY	2 credits [0-0-3]

M. Tech. (Post-graduate / Masters level courses)

ER6012 WEATHER AND CLIMATE MODELLING	3 credits [3-0-0]
ER6021 INTRODUCTION TO CLIMATE SCIENCE	3 credits [3-0-0]

Mining engineering

<https://website.nitrkl.ac.in/Academics/AcademicDepartments/CurriculaSyllabi.aspx?fgdhwe34=TU46TWluaW5nIEVvZ2luZWVyaW5n-S8UF%2f4vmass%3d>

M. Tech. (Post-graduate / Masters level courses)

MN6201 ENVIRONMENTAL CONTROL AND MANAGEMENT	3 credits [3-0-0]
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Chemical Engineering

<https://website.nitrkl.ac.in/Academics/AcademicDepartments/CurriculaSyllabi.aspx?fgdhwe34=Q0g6Q2h1bWljYWwgRW5naW5lZXJpbmc%3d-dmhpvpMkqIU%3d>

B. Tech. (Undergraduate level courses)

CH1400 ENVIRONMENT AND SAFETY ENGINEERING	3 credits [3-0-0]
CH3414 ENVIRONMENTAL BIOTECHNOLOGY	3 credits [3-0-0]
CH4411 ENVIRONMENTAL ENGINEERING	3 credits [3-0-0]
CH4412 ENERGY CONSERVATION AND RENEWABLE SOURCES OF ENERGY	3 credits [3-0-0]
CH4418 DISASTER MANAGEMENT IN CHEMICAL INDUSTRIES	3 credits [3-0-0]

M. Tech. (Post-graduate/ Masters level courses)

CH6433 ENVIRONMENTAL MANAGEMENT SYSTEM	3 credits [3-0-0]
CH6431 BIOENERGY ENGINEERING	3 credits [3-0-0]
CH6234 NANOMATERIALS IN ENERGY AND ENVIRONMENTAL APPLICATIONS	3 credits [3-0-0]
CH6235 RESOURCE RECOVERY FROM WASTE	3 credits [3-0-0]
CH6430 Green Technology and Engineering	3 credits [3-0-0]
CH6434 Advanced Environmental Biotechnology	3 credits [3-0-0]
CH6532 Safety in Chemical industries	3 credits [3-0-0]
CH6402 Renewable Energy Technology	3 credits [3-0-0]
CH6435 Analysis and Design of Pollution Control Devices	3 credits [3-0-0]
CH6471 Environmental Monitoring and Control Laboratory	3 credits [3-0-0]

Civil engineering

<https://website.nitrkl.ac.in/Academics/AcademicDepartments/CurriculaSyllabi.aspx?fgdhwe34=Q0U6Q2l2aWwgRW5naW5lZXJpbmc%3d-ki5qRrzXDBk%3d>

B. Tech. (Undergraduate level courses)

CE2502
ENVIRONMENTAL ENGINEERING 3 credits [3-0-0]

CE3706
ENVIRONMENTAL ENGINEERING LABORATORY 2 credits [0-0-3]

CE4502
ADVANCED ENVIRONMENTAL ENGINEERING 3 credits [3-0-0]

M. Tech. (Post-graduate/ Masters level courses)

CE6533
PRINCIPLES OF ENVIRONMENTAL MANAGEMENT 3 credits [3-0-0]

CE6535
ENVIRONMENTAL IMPACT AND RISK ASSESSMENT 3 credits [3-0-0]

Planning and Architecture

<https://website.nitrkl.ac.in/Academics/AcademicDepartments/CurriculaSyllabi.aspx?fgdhwe34=UEE6UGxhbm5pbmcgYW5kIEFyY2hpdGVjdHVyZQ%3d%3d-eURRMu0Zo2w%3d>

(Undergraduate level courses)

PA2801
CLIMATE-RESPONSIVE ARCHITECTURE 2 credits [3-0-0]

PA4005
ENERGY EFFICIENT ARCHITECTURE 3 credits [3-1-0]