MANAGEMENT ENGINEERING (LM54)

(Lecce - Università degli Studi)

Teaching ENERGY MANAGEMENT

GenCod A004627

Owner professor Arturo DE RISI

Teaching in italian ENERGY MANAGEMENT

Teaching ENERGY MANAGEMENT

SSD code ING-IND/09

Reference course MANAGEMENT ENGINEERING

Course type Laurea Magistrale

Credits 9.0

Teaching hours Ore-Attivita-frontale: 81.0

For enrolled in 2021/2022

Taught in 2021/2022

Course year 1

Language INGLESE

Curriculum Percorso comune

Location Lecce

Semester Primo-Semestre

Exam type Orale

Assessment Voto-Finale

Course timetable https://easyroom.unisalento.it/Orario

BRIEF COURSE DESCRIPTION

- Focus on corporate issues and optimise professional skills at a managerial level
- Gain in-depth knowledge and vision of energy technologies, industries and markets
- Develop and implement a strategic mindset to address major future issues within the energy industry
- Strengthen your ability to live and work in a highly multicultural and international environment

REQUIREMENTS

No previous course afre required

COURSE AIMS

Supply all the informations to:
monitor and manage the energy efficiency of a facility or organization;
to implement conservation measures, monitor **energy** consumption;
to assess business decisions for sustainability;
to seek out opportunities for increasing **energy** efficiency.

TEACHING METHODOLOGY

Frontal lessons and exercises

ASSESSMENT TYPE

oral exam and discussion of an individual project

FULL SYLLABUS	Energy Audit - Regulation parts 1-2-3-4 Fundamentals of thermodynamical and electrical measurements Data acquisition software and hardware Energy Diagnosis of complex systems and buildings Fundamental of HVAC systems Fundamental of Solar Renewable Energy Plant Investment analysis Economic technical analysis Case Studies
REFERENCE TEXT BOOKS	Class Notes WAYNE C. TURNER, ENERGY MANAGEMENT HANDBOOK, THE FAIRMONT PRESS, INC, Lilburn, Georgia