

# MANAGEMENT ENGINEERING (LM54)

(Lecce - Università degli Studi)

## Insegnamento ENERGY MANAGEMENT

GenCod A004627

**Insegnamento** ENERGY MANAGEMENT **Anno di corso** 1

**Insegnamento in inglese** ENERGY MANAGEMENT

**Lingua** INGLESE

**Settore disciplinare** ING-IND/09

**Percorso** Percorso comune

**Corso di studi di riferimento** MANAGEMENT ENGINEERING

**Docente** Arturo DE RISI

**Tipo corso di studi** Laurea Magistrale

**Sede** Lecce

**Crediti** 9.0

**Periodo** Primo Semestre

**Ripartizione oraria** Ore Attività frontale: 81.0

**Tipo esame** Orale

**Per immatricolati nel** 2020/2021

**Valutazione** Voto Finale

**Erogato nel** 2020/2021

**Orario dell'insegnamento**

<https://easyroom.unisalento.it/Orario>

### BREVE DESCRIZIONE DEL CORSO

- 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

### PREREQUISITI

No previous course afre required

### OBIETTIVI FORMATIVI

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.

### METODI DIDATTICI

Frontal lessons and exercises

### MODALITA' D'ESAME

oral exam and discussion of an individual project

### APPELLI D'ESAME

### ALTRE INFORMAZIONI UTILI

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## PROGRAMMA ESTESO

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

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## TESTI DI RIFERIMENTO

Class Notes  
WAYNE C. TURNER, ENERGY MANAGEMENT HANDBOOK, THE FAIRMONT PRESS, INC, Lilburn,  
Georgia