



Course guides

205078 - 205078 - Workshop on Fluid Power Transmission Systems

Last modified: 29/05/2020

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 729 - MF - Department of Fluid Mechanics.

Degree: MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2013). (Optional subject).

Academic year: 2020 **ECTS Credits:** 3.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: Codina Macià, Esteve

Others: Comas Amengual, Angel
Comas Céspedes, Esteve

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

See content in catalan

STUDY LOAD

| Type | Hours | Percentage |
|-------------------|-------|------------|
| Hours large group | 16,5 | 22.00 |
| Hours small group | 10,5 | 14.00 |
| Self study | 48,0 | 64.00 |

Total learning time: 75 h

CONTENTS

Module 1: ANALYSIS

Description:

See content in catalan

Full-or-part-time: 37h

Theory classes: 17h

Self study : 20h



Module 2: DESIGN

Description:

See content in catalan

Full-or-part-time: 38h

Theory classes: 10h

Self study : 28h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

- Ivantysyn, Jaroslav; Ivantysynova, Monika. Hydrostatic pumps and motors: principles, design, performance, modelling, analysis, control and testing. New Delhi: Tech Books International, cop. 2003. ISBN 9788188305087.

Complementary:

- Heisler, Heinz. Advanced vehicle technology [on line]. 2nd ed. Oxford: Butterworth Heinemann, 2002 [Consultation: 18/10/2018]. Available on: <https://ebookcentral.proquest.com/lib/upcatalunya-ebooks/detail.action?docID=296757>. ISBN 0750651318.