

Course guide

205252 - AQT - Fabric Quality Evaluation

Last modified: 19/04/2023

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 702 - CEM - Department of Materials Science and Engineering.

Degree: BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN TEXTILE TECHNOLOGY AND DESIGN ENGINEERING (Syllabus 2009). (Optional subject).

Academic year: 2023 **ECTS Credits:** 6.0 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: Enric Carrera i Gallissà

Others: Primer quadrimestre:
FRANCISCO JAVIER CAPDEVILA JUAN - 11
ENRIQUE CARRERA GALLISSÀ - 11

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

At the end of the course the student or student has to:

To have scientific and technical basis to interpret, critically, the results of the main physical tests used to evaluate the quality of the textile fabrics, as well as the operation of the measuring equipment of these tests and applicable regulations. You will also have sufficient criteria to plan a quality assessment plan for a fabric.

STUDY LOAD

Type	Hours	Percentage
Self study	90,0	60.00
Hours large group	30,0	20.00
Hours small group	30,0	20.00

Total learning time: 150 h

CONTENTS

title english

Description:

content english

Full-or-part-time: 10h

Theory classes: 2h

Laboratory classes: 2h

Self study : 6h

title english

Description:

content english

Full-or-part-time: 18h

Theory classes: 3h

Laboratory classes: 5h

Self study : 10h

title english

Description:

content english

Full-or-part-time: 8h

Theory classes: 1h

Laboratory classes: 1h

Self study : 6h

title english

Description:

content english

Full-or-part-time: 18h

Theory classes: 4h

Laboratory classes: 2h

Self study : 12h

title english

Description:

content english

Full-or-part-time: 10h

Theory classes: 2h

Laboratory classes: 2h

Self study : 6h

title english

Description:

content english

Full-or-part-time: 8h

Theory classes: 1h

Laboratory classes: 1h

Self study : 6h



title english

Description:

content english

Full-or-part-time: 6h

Theory classes: 1h

Laboratory classes: 1h

Self study : 4h

title english

Description:

content english

Full-or-part-time: 16h

Theory classes: 2h

Laboratory classes: 4h

Self study : 10h

title english

Description:

content english

Full-or-part-time: 6h

Theory classes: 1h

Self study : 5h

title english

Description:

content english

Full-or-part-time: 6h

Theory classes: 1h

Self study : 5h

title english

Description:

content english

Full-or-part-time: 12h

Theory classes: 2h

Laboratory classes: 2h

Self study : 8h



title english

Description:

content english

Full-or-part-time: 12h

Theory classes: 2h

Laboratory classes: 4h

Self study : 6h

title english

Description:

content english

Full-or-part-time: 4h

Theory classes: 2h

Self study : 2h

title english

Description:

content english

Full-or-part-time: 8h

Theory classes: 2h

Laboratory classes: 2h

Self study : 4h

ACTIVITIES

name english

Full-or-part-time: 2h

Laboratory classes: 2h

name english

Full-or-part-time: 3h

Laboratory classes: 3h

name english

Full-or-part-time: 2h

Laboratory classes: 2h



name english

Full-or-part-time: 1h

Laboratory classes: 1h

name english

Full-or-part-time: 1h

Laboratory classes: 1h

name english

Full-or-part-time: 1h

Laboratory classes: 1h

name english

Full-or-part-time: 2h

Laboratory classes: 2h

name english

Full-or-part-time: 2h

Laboratory classes: 2h

name english

Full-or-part-time: 2h

Laboratory classes: 2h

name english

Full-or-part-time: 2h

Laboratory classes: 2h

name english

Full-or-part-time: 2h

Laboratory classes: 2h

name english

Full-or-part-time: 2h

Laboratory classes: 2h



name english

Full-or-part-time: 2h

Laboratory classes: 2h

name english

Full-or-part-time: 2h

Laboratory classes: 2h

name english

Full-or-part-time: 2h

Laboratory classes: 2h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

- El Mogahzy, Y. E. Engineering textiles: integrating the design and manufacture of textile products. Cambridge: Boca Raton: Woodhead Publishing; CRC Press, cop. 2009. ISBN 9781845690489.
- Carrera, Enric. Caracterización de tejidos. Principales ensayos físicos para evaluar la calidad de los tejidos textiles [on line]. Terrassa: Universitat Politècnica de Catalunya. Departament d'Enginyeria Tèxtil i Paperera (ETP), 2015 [Consultation: 12/04/2022]. Available on: <http://hdl.handle.net/2117/76654>.
- Bona, Mario. Textile quality: physical methods of products and process control. Biella: Texilia, 1994.