

## 320192 - ITIPG - Initiation to Paper and Graphic Industrial Technologies

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering  
 Teaching unit: 714 - ETP - Department of Textile and Paper Engineering  
 Academic year: 2019  
 Degree: BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Optional)  
 BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)  
 BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)  
 BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)  
 BACHELOR'S DEGREE IN AUDIOVISUAL SYSTEMS ENGINEERING (Syllabus 2009). (Teaching unit Optional)  
 BACHELOR'S DEGREE IN TEXTILE TECHNOLOGY AND DESIGN ENGINEERING (Syllabus 2009). (Teaching unit Optional)  
 BACHELOR'S DEGREE IN INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT ENGINEERING (Syllabus 2010). (Teaching unit Optional)  
 BACHELOR'S DEGREE IN INDUSTRIAL TECHNOLOGY ENGINEERING (Syllabus 2010). (Teaching unit Optional)  
 BACHELOR'S DEGREE IN AEROSPACE TECHNOLOGY ENGINEERING (Syllabus 2010). (Teaching unit Optional)  
 BACHELOR'S DEGREE IN AEROSPACE VEHICLE ENGINEERING (Syllabus 2010). (Teaching unit Optional)  
 ECTS credits: 6 Teaching languages: Catalan, Spanish

### Teaching staff

Coordinator: Vidal Lluçia, Teresa  
 Others: Roncero Vivero, Maria Blanca  
 Valls Vidal, Cristina  
 Torres Lopez, Antonio Luis  
 Cusola Aumedes, Oriol  
 Galea Martínez, Silvia

### Learning objectives of the subject

### Study load

Total learning time: 150h	Hours large group:	30h	20.00%
	Hours small group:	30h	20.00%
	Self study:	90h	60.00%

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### Content

<p>title</p>	<p>Learning time: 10h Theory classes: 5h Self study : 5h</p>
<p>Description: English</p>	
<p>title english</p>	<p>Learning time: 12h Theory classes: 6h Self study : 6h</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 16h Theory classes: 6h Self study : 10h</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 10h Theory classes: 4h Self study : 6h</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 16h Theory classes: 6h Self study : 10h</p>
<p>Description: content english</p>	

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<p>title english</p>	<p>Learning time: 11h Theory classes: 4h Self study : 7h</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 4h Practical classes: 2h Self study : 2h</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 4h Laboratory classes: 2h Self study : 2h</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 10h Laboratory classes: 4h Self study : 6h</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 10h Laboratory classes: 6h Self study : 4h</p>
<p>Description: content english</p>	

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<p>title english</p>	<p>Learning time: 10h Laboratory classes: 4h Self study : 6h</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 11h 20m Practical classes: 7h 20m Self study : 4h</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 16h 40m Practical classes: 10h Self study : 6h 40m</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 9h Practical classes: 5h Self study : 4h</p>
<p>Description: content english</p>	

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### Bibliography

#### Basic:

Ek, M.; Gellerstedt, G.; Henriksson, G. (eds.). Pulp and paper chemistry and technology, vol. 1, Wood chemistry and wood biotechnology. Berlin: De Gruyter, cop. 2009. ISBN 9783110213393.

Ek, M.; Gellerstedt, G.; Henriksson, G. (eds.). Pulp and paper chemistry and technology, vol. 2, Pulping chemistry and technology. Berlin: De Gruyter, cop. 2009. ISBN 9783110213416.

Ek, M.; Gellerstedt, G.; Henriksson, G. (eds.). Pulp and paper chemistry and technology, vol. 3, Paper chemistry and technology. Berlin: De Gruyter, cop. 2009. ISBN 9783110213430.

Smook, Gary A. Handbook for pulp & paper technologists. 3rd ed. Vancouver [etc.]: Angus Wilde, cop. 2002. ISBN 0969462859.

Ek, M.; Gellerstedt, G.; Henriksson, G. (eds.). Pulp and paper chemistry and technology, vol. 4, Paper products physics and technology. Berlin: De Gruyter, cop. 2009. ISBN 9783110213454.