

Polytechnic Institute of Viseu

School of Technology and Management of Viseu

Course title	Industrial Project		
Scientific area	Industrial Management		
Teaching method	Exposition and discussion of practical industrial cases to introduce students to the real world inside of organizations. Elaboration and discussion of the project.		
Lecturers:		Language of instruction	Portuguese/English
ECTS	6	Semester	Fall
Hours per week	4.5	Hours per semester	TP – 39; P – 19,5; OT – 29,5
Objectives of the course	<p>The aim is to introduce students to the technologies and instruments available in industrial plants (human relationships, engineering processes, and procedures) to reduce operating costs and achieve maximum performance from the plant and equipment.</p> <p>Students will develop their own project where they present the design and implementation of industrial equipment in a manufacturing unit. In the project, it must be selected most suitable procedures of production and maintenance management to reduce costs.</p>		
Entry requirements	None		
Course contents	<p>Presentation of industrial cases about:</p> <ul style="list-style-type: none"> • Production management • Maintenance management • Human management <p>Project work:</p> <ul style="list-style-type: none"> • Elaboration • Presentation • Discussion 		
Assessment methods	$CF=0,4*TE+0,5*TP+0,1*QP$ CF – final classification; TE – exam; TP – project; QP – participation.		
Recommended readings	Duncan, W. R. (2013). A Guide to the Project Management, Body of Knowledge, 5ª Ed., Project Management Institute, Philadelphia. Ustundag, A., e Cevikcan, E. (2017). Industry 4.0: Managing The Digital Transformation. Springer		
Additional information	Carvalho, L., Bernardo, M., Sousa, I. e Negas, M. (2016). Gestão das Organizações - uma abordagem integrada e prospetiva, 2ª Ed. Lisboa: Edições Sílabo. Miguel, A.(2019). Gestão Moderna de Projetos, 8ª Ed. Lisboa: FCA Pinto, J. P. (2014). Pensamento Lean, 6ª Ed. Lisboa: Lidel. Roldão, V. S. (2016). Gestão de Projetos: Abordagem Instrumental ao Planeamento, Organização e Controlo, 5ª Ed. Lisboa: Monitor. Silva, M. (2014). Microsoft Project 2013 - Depressa e Bem. Lisboa: FCA - Lidel. Simas, A. (2016). Gestão Visual em Sistemas Lean. Lisboa: FCT-UNL.		