



Universidad del País Vasco Euskal Herriko Unibertsitatea

PLAN DE PLURILINGÜISMO - CURSO 2009/2010
PLURILINGUAL PROGRAMME- ACADEMIC YEAR 2009/2010
ELEANIZTASUN PLANA - 2009/2010 IKASTURTEA

Subject: ENVIRONMENTAL ENGINEERING SCIENCE		
Teacher responsible: ESTIBALIZ SÁEZ DE CÁMARA OLEAGA e-mail: estibaliz.saezdecamara@ehu.es		
Semester: 2	Credits: 6	Type: Compulsory
Aims: Formation on environmental monitoring, control, and assessment, especially for industrial plants and processes. Introduction to the environmental legislative framework. Introduction to the environmental management in the industry.		
Theoretical and practical content: * Introduction to Environmental Engineering and Technology * Air Pollution: Pollutants, sources and their transport, dispersion, and changes in the atmosphere, emission control and monitoring technologies for particles and gases. * Water pollution: water cycle and uses, pollutant sources, quality models, water chemistry, drinking water technologies, waste-water technology, biosolids treatment and disposal.. * Wastes: Characterization of wastes, treatment technologies for Municipal Solid Wastes, reuse, recycle and recovery, minimization, technologies for industrial wastes.		
Basic bibliography: <ul style="list-style-type: none">• Kiely (1996) Environmental Engineering, McGraw-Hill College.• Metcalf & Eddy (2003) Wastewater Engineering: Treatment and Reuse, McGraw-Hill Science Engineering• Tchobanoglous (1993) Integrated Solid Waste Management: Engineering Principles and Management Issues, McGraw-Hill Science Engineering		
Assessment: Written test		