Centre	**University College of Engineering of Vitoria-Gasteiz**
Name of subject	**26037 – System Administration**
Qualification	**Degree in Computer Management and Information Systems Engineering**
Type	**Elective**
Credits	**4.5 ECTS**
Year	**4**
Term(s)	**1st**
Department	**Computer Languages and Systems**
Language	**Spanish**

Outcomes / Objectives

Have knowledge of the concepts and practice system administration tasks such as server installation, support and maintenance and contingency response planning and other issues.

More details on http://lsi.vc.ehu.es/pablogn/docencia/AS1213/presAS1213.pdf

Syllabus

Installation of a GNU/Linux system and command-line

Basic file administration and management tasks

Security management and Data Processing Centre (DPC) management

System customisation according to needs

Scripts

Network access. Network services. Virtualisation.

More details on http://lsi.vc.ehu.es/pablogn/docencia/AS1213/presAS1213.pdf

Methodology

Teaching Method

Face-to-Face Teaching Hours

Lectures	Seminars	Classroom practice	Lab. practice	Computer sessions	Clinical practice	Workshops	Industrial workshops	Field practice
15				30				

Student Hours of Non Face-To-Face Activities

Lectures	Seminars	Classroom practice	Lab. practice	Computer sessions	Clinical practice	Workshops	Industrial workshops	Field practice
17,5				50				

Assessment System

General criteria

→ Multiple-choice test

→ Oral exam

→ Practical tasks (exercises, case studies or problems)

→ Individual assignments

→ Group assignments

→ Presentation of assignments, readings…

Clarification regarding assessment

→ More details on http://lsi.vc.ehu.es/pablogn/docencia/AS1213/presAS1213.pdf

Compulsory materials

Moodle and Internet

Bibliography

Basic Bibliography

➤ Beginning Ubuntu Server Administration: From Novice to Professional, Sander van Vugt Published Dec 2007 http://www.apress.com/book/view/1590599233

➤ The Linux System Administrator's Guide, Lars Wirzenius, Joanna Oja, Stephen Stafford. Available on http://www.tldp.org/LDP/sag/index.html

In-depth Bibliography

➤ Essential Systems Administration (O'Reilly), 3rd Edition, 2001, by Æleen Frisch

➤ Principles of Network and System Administration (J. Wiley & Sons), 2000,2003(2ed), by Mark Burgess

➤ The Practice of System and Network Administration (Addison-Wesley), 2nd Edition (July 5, 2007), by Thomas A. Limoncelli, Christine Hogan and Strata R. Chalup

➤ Time Management for System Administrators (O'Reilly), 2005, by Thomas A. Limoncelli

➤ UNIX System Administration Handbook (Prentice Hall PTR), 3rd Edition, 2000, by Evi Nemeth, Garth Snyder, Scott Seebass, Trent R. Hein

Websites

➤ http://systemadmin.es/www.SysadminHell.com - the free Sysadmin "best practice" encyclopedia that anyone can edit

➤ System administrator day, the last Friday of July The Network Engineer - Learn practical system administration.

➤ BigAdmin - System Administrator Resources and Community

➤ LinuxZoo - Learn system administration online using free-access virtual machines

➤ Sysadmin wiki - Wiki for system administrators Realtime Publishers - Free eBooks for system administrators

➤ Research on system administration Planet Sysadmin - Blog aggregator of sysadmin-related feeds

➤ PlanetSysadmin.com - Another blog aggregator of sysadmin-related feeds