OM – Organiser – Manager (à traduire)

▶ EV00	Introduction to the Environment and Environmental Problems
C 14 TD 28 THE 38	OBJECTIVES: ► Give students basic skills in the field of the environment
AUTUMN SPRING	SYLLABUS: ► Introduction to structure and functioning of ecosystems ► Problems caused by human development, land management and natural areas
4 CREDITS	 Waste management Pollution and its impact on ecosystems
u	▶ Legal and institutional framework for international and national environmental management

Management Fundamentals
OBJECTIVES: Introduce first, second and third year students to concepts and basic tools for company management.
SYLLABUS: ► Companies, entrepreneurs, markets and marketing ► Organisation
► Accounting systems



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▶ MG00	Industrial Firms
C 30 TD 28 THE 22 AUTUMN	OBJECTIVES: ➤ A better knowledge of companies, their diversity, their workings and constraints. ➤ Better understanding of the role of engineers in companies, relative to their varying tasks and responsibilities. SYLLABUS:
4 CREDITS	 History of the company Current company typology Company performance Industrial management basics An engineer's place in the company

▶ MG03	Business Simulation: Using Accountancy and Economic Tools
C 14 TD 28 THE 38	OBJECTIVES: Apply basic accountancy and economic principles to manage a restaurant (KIWI game) and a manufacturing company (SIMGEST game) in a competitive and uncertain computer-simulated market.
AUTUMN SPRING 4 CREDITS	SYLLABUS: ► Marketing strategy (choosing niche, price, managing sales force, location) ► Production (managing infrastructures, equipment level, overtime, labour, salary policy) ► Financial management (selecting finance and cash management) ► Company environment (business outlook, available forecasts and competitor's choices)
Prerequisites : EC04, GE01	

▶ TI02	Oral Expression and Public Speaking
TD 28 TP 14 THE 38 AUTUMN SPRING	OBJECTIVES: ▶ Give all participants the experience and tools necessary for oral communication in as diverse contexts as possible. The tutorials and practicals use video (in groups and individually) and group work as a foundation.
4 CREDITS	Acquire skills and gain experience in communicating and public speaking SYLLABUS: Oral communication and its principal obstacles The stakes when speaking Managing stress Vocal techniques Expressing emotions Non-verbal communication (kinesics/proxemics) Managing speaking in public Presenting individually or in groups Computer-aided presentations



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QC - Questionner - Créer (à traduire)

44	
TD 28 THE 38 ➤ This or is facing	CTIVES: course presents a comprehensive view of the most important issues the international community g nowadays. Solutions from decision makers in governments and international institutions and rivate sector and civil society will be discussed.
Prerequisite: LE03 Prerequisite: LE04 Prerequisite: LE05 Prost- Prolif Energ Globa Medii Huma Tech	duction national Security -Conflict-Reconstruction eration Prevention rism and International Threats ography and Population gy al Warming

MR00 Méthodologie recherche (Tronc commun) Translation in progress 80 **OBJECTIVES:** ▶ Initier l'étudiant à une méthodologie de recherche, voire une pratique sur un sujet relevant des **AUTUMN** objectifs de la culture générale (approche contextualisée, mise en perspective, réflexion structurée et **SPRING** critique...). **4 CREDITS SYLLABUS:** ► Cadrage du sujet avec l'enseignant responsable pour validation par un jury ▶ Etablissement d'un cahier des charges (objectifs, moyens) et d'un échéancier ▶ Recherche d'informations issues de sources différentes (ouvrage, internet, enquête, archives...) ▶ Rédaction du rapport (problématique, déclinaison des travaux, apports critiques...) Soutenance orale du travail effectué Prerequisites: Avoir validé deux UV de CG (Toutes les UV LF ne sont pas considérées comme des...



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▶ SC01	De la psychologie cognitive à l'ergonomie cognitive Translation in progress
C 14 TD 28 THE 38 AUTUMN SPRING 4 CREDITS	OBJECTIVES: Décrire et expliquer les principales activités mentales (perception, mémoire,). Sensibiliser l'élève ingénieur à l'intérêt de la prise en compte de ces activités mentales dans la conception de systèmes et d'interfaces. SYLLABUS: Introduction générale Entre sensation et perception Les types de mémoires
u	 Comprendre l'intérêt de l'ergonomie des interfaces par des études de cas réels Intérêt d'une bonne répartition des taches entre homme et système Réalisation d'un projet de recherche expérimentale



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Glossary of Online UV consultation

Prerequisite: Some UVs require that previous UVs must have been successfully completed. Some UVs have several prerequisites.

ACM: Actuators and Mechatronic Control Systems Specialisation.

C: Lecture

Category: Each UV is classed in one of the following categories:

- CS Scientific Knowledge;
- TM Techniques and Methods;
- EC Expression and Communication;
- CG General Education;
- RN Revision;
- EX Exterior.

CDP: Product Design and Development Specialisation **CIM**: Design and Material Innovation Specialisation

UV Code: Code designating a UV

ECTS Credit: The value of a UV in the ECTS system (European Credit Transfer System)

CSM: Mechatronic System Design Specialisation **CSP**: Production Systems Design Specialisation

Department: Teaching Department

Dept. Teaching Department

DIC: Industrial Design Specialisation

EDD: Energy and Sustainable Development Specialisation.

EDIM: Ergonomics, Design and Mechanical Engineering Department

EIC: Ergonomics, Design and Innovation Specialisation

EnE: Energy and Environment Specialisation.

ESE: Electronics and On–Board Systems Specialisation **Specialisation**: Specialisation within a department

GESC: Electrical Engineering and Control Systems Department

UV Guide: The UV Guide catalogues all UVs taught at UTBM during an academic year.

HUMA: Humanities Department

IIRV: Image, Interaction and Virtual Reality Specialisation **ILC**: Software and Knowledge Engineering Specialisation

IMAP: Manufacturing Management and Engineering Department

INFO: Computer Science Department **IP**: Product Industrialisation Specialisation

Language (teaching): Language in which a UV is taught in. **LEIM:** On–Board Software and Mobile Computing Specialisation

MC: Mechanical Engineering and Design Department

MOM: Numerical Modelling in Mechanics.

MPL: Management of Production and Logistics Specialisation **Level**: Level of UV within degree courses. From 01 to 06

Basket: Contains the UVs chosen by a user to create a personalised catalogue

PISP: Managing and Computerising Production Systems Specialisation

Recognition: Level of recognition within a specialisation or department (0, 1 or 2) for a UV:

- 0: the UV has no link with the specialisation. It does not count as part of the department?s degree course, but rather as an additional UV.
- 1 or *: the UV is related to the department?s degree course but is not part of the group of key skills to be acquired for the specialisation.
- 2 or **: the UV is part of the group of key skills to be acquired for the specialisation.

R&T: Networks and Telecoms Specialisation

Semester: Indicates during which semester a UV is taught

Timetable Organisation: The way in which a UV is divided up into its constituent parts (TD, TP, Lecture, THE)

TC: Common core. Equivalent to first two years of an Engineering Degree

TD: Tutorials

THE: Unsupervised work. The number of hours of personal work necessary to complete a UV

TP: Practicals

TSE: Transport and Drive Systems Specialisation.

UV (Course Credit): Course taught at UTBM. A Course Credit is taught within a department or department specialisation



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Key

C : Lecture

TD : Tutorials

TP : Practicals

THE: Unsupervised work. The number of hours of personal work necessary to complete a UV.

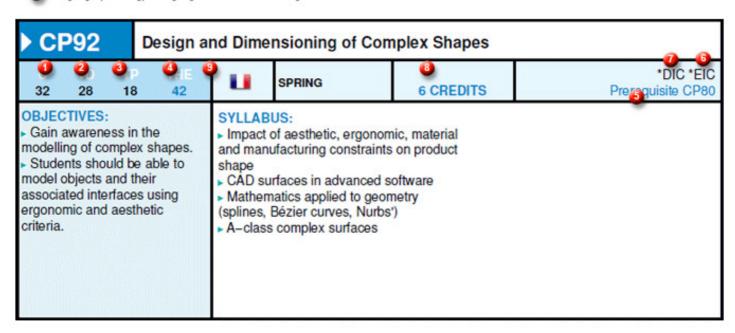
Prerequisite: Some UVs require that previous UVs must have been successfully completed. Some UVs have several prerequisites.

EIC : Ergonomics, Design and Innovation Specialisation

DIC : Industrial Design Specialisation

ECTS Credit: The value of a UV in the ECTS system (European Credit Transfer System)

Language (teaching): Language in which a UV is taught in.





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