EX – Extra–Curricular Activities

▶ ST40 — Training Period

C	TD	TP	THE		AUTUMN SPRING	30 CREDITS	
0	0	0	750				

OBJECTIVES:
▶ Gain an understanding of the company environment during a training period.
▶ Acquire and improve skills while applying theory to solve concrete problems.

SYLLABUS:
▶ Training period in company at assistant engineer level
▶ Report, presentation
▶ All students wishing to carry out a training period must complete the health and safety course.

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

Key

1. C : Lecture
2. TD : Tutorials
3. TP : Practicals
4. THE : Unsupervised work. The number of hours of personal work necessary to complete a UV.
5. Prerequisite : Some UVs require that previous UVs must have been successfully completed. Some UVs have several prerequisites.
6. EIC : Ergonomics, Design and Innovation Specialisation
7. DIC : Industrial Design Specialisation
8. ECTS Credit : The value of a UV in the ECTS system (European Credit Transfer System)
9. Language (teaching) : Language in which a UV is taught in.

▶ CP92 — Design and Dimensioning of Complex Shapes

C 1	TD 2	TP 3	THE 4	9		SPRING	8 6 CREDITS	7 *DIC *EIC 6 Prerequisite CP80 5
32	28	18	42					

OBJECTIVES:
▸ Gain awareness in the modelling of complex shapes.
▸ Students should be able to model objects and their associated interfaces using ergonomic and aesthetic criteria.

SYLLABUS:
▸ Impact of aesthetic, ergonomic, material and manufacturing constraints on product shape
▸ CAD surfaces in advanced software
▸ Mathematics applied to geometry (splines, Bézier curves, Nurbs')
▸ A–class complex surfaces