

Mechanical Engineering, Master's programme

120 credits

Mechanical Engineering, masterprogram

6MMEC

Valid from:

Determined by

Board of Studies for Mechanical Engineering and Design

Date determined

2015-01-16

Introduction

For the complete syllabus, also see "Tekniska högskolans studiehandbok": http://kdb-5.liu.se/liu/lith/studiehandboken/enutbplan.lasso? &up_year=2017&up_ladokkod=6MMEC

Entry requirements

Degree in Swedish

Master of Science (120 credits) with a major in Mechanical Engineering

Degree in English

Master of Science (two years) with a major in Mechanical Engineering



Curriculum

Semester 2 (Spring 2017)

Period 1 TMAL51 Aircraft Conceptual Design 6 A1X 2 E TMHL41 Continuum Mechanics 6 A1X 2 E TMHL62 The Finite Element Method; advanced course 6 A1X 4 E TMKM40 Engineering Materials - New Materials 6 A1X 2 E TMKT48 Design Optimization 6 A1X 3 E TMMS30 Multi Body Dynamics and Robotics 6 A1X 1 E TMMV08 Computational Fluid Dynamics 6 A1X 1 E TMPS42 Production System Automation 6 A1X 1 E TMQU31 Statistical Quality Control 6 A1X 2 E TMHL61 Damage Mechanics and Life Analysis 6 A1X 1 E TMKM09 Engineering Materials for Lightweight Applications 6 A1X 3 E TMKM09 Engineering Materials, Welding and Manufacturing Technology 6 A1X 3 E TMKM18 Engineering Materials, Welding and Manufacturing Technology 6 A1X 1 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 1 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 2 E TMMN50 Aerodynamics, Continued Course 6 A1X 3 E TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMMQ004 Six Sigma Quality 6 A1X 3 E TMM006 Operations Systems 6 A1X 3 E TMMM007 Vehicle Propulsion Systems 6 A1X 3 E TMM0004 Six Sigma Quality 6 A1X 3 E TPMM006 Operations Systems 6 A1X 3 E TSFS03 Vehicle Propulsion Systems 6 A1X 3 E TSFS03 Vehicle Propulsion Systems 6 A1X 3 E TSFS03 Vehicle Propulsion Systems 6 A1X 3 E	Course code	Course name	Credits	Level	Timetable module	ECV
TMHL41 Continuum Mechanics 6 A1X 2 E TMHL62 The Finite Element Method; advanced course 6 A1X 4 E TMKM40 Engineering Materials - New Materials 6 A1X 2 E TMKT48 Design Optimization 6 A1X 3 E TMMS30 Multi Body Dynamics and Robotics 6 A1X 3 E TMMV08 Computational Fluid Dynamics 6 A1X 1 E TMPS42 Production System Automation 6 A1X 1 E TMQU31 Statistical Quality Control 6 A1X 2 E TPPE54 Advanced Planning and Scheduling 6 A1X 1 E Period 2 TMHL61 Damage Mechanics and Life Analysis 6 A1X 2 E TMKM09 Engineering Materials for Lightweight Applications 6 A1X 3 E TMKM09 Engineering Materials, Welding and Manufacturing Technology 6 A1X 3 E TMKT57 Product Modelling 6 A1X 3 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 2 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 2 E TMMV07 Computational Fluid Dynamics, advanced course 6 A1X 3 E TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMQU04 Six Sigma Quality 6 A1X 2 E TPMM06 Analysing and Improving Manufacturing 6 A1X 2 E TPMM06 Analysing and Improving Manufacturing 6 A1X 3 E TPMM06 Analysing and Improving Manufacturing 6 A1X 3 E	Period 1					
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TMKM40 Engineering Materials - New Materials 6 A1X 2 E TMKT48 Design Optimization 6 A1X 3 E TMMS30 Multi Body Dynamics and Robotics 6 A1X 3 E TMMV08 Computational Fluid Dynamics 6 A1X 1 E TMPS42 Production System Automation 6 A1X 1 E TMQU31 Statistical Quality Control 6 A1X 2 E TPPE54 Advanced Planning and Scheduling 6 A1X 1 E Period 2 TMHL61 Damage Mechanics and Life Analysis 6 A1X 2 E TMKM09 Engineering Materials for Lightweight Applications 6 A1X 3 E TMKM18 Engineering Materials, Welding and Manufacturing Technology 6 A1X 3 E TMKT57 Product Modelling 6 A1X 1 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 2 E TMMV07 Computational Fluid Dynamics, advanced course 6 A1X 3 E TMMV07 Computational Fluid Dynamics, advanced 6 A1X 3 E TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMQU04 Six Sigma Quality 6 A1X 2 E TPMM06 Analysing and Improving Manufacturing 6 A1X 3 E	TMHL41	Continuum Mechanics	6	A1X	2	E
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TMPS42 Production System Automation 6 A1X 1 E TMQU31 Statistical Quality Control 6 A1X 2 E TPPE54 Advanced Planning and Scheduling 6 A1X 1 E Period 2 TMHL61 Damage Mechanics and Life Analysis 6 A1X 2 E TMKM09 Engineering Materials for Lightweight Applications 6 A1X 3 E TMKM18 Engineering Materials, Welding and Manufacturing Technology 6 A1X 3 E TMKT57 Product Modelling 6 A1X 3 E TMME11 Road Vehicle Dynamics 6 A1X 1 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 2 E TMMV07 Computational Fluid Dynamics, advanced course 6 A1X 3 E TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMQU04 Six Sigma Quality 6 A1X 2 E TPMM06 Analysing and Improving Manufacturing Operations 6 A1X 3 E	TMMS30	Multi Body Dynamics and Robotics	6	A1X	3	E
TMQU31 Statistical Quality Control 6 A1X 2 E TPPE54 Advanced Planning and Scheduling 6 A1X 1 E Period 2 TMHL61 Damage Mechanics and Life Analysis 6 A1X 2 E TMKM09 Engineering Materials for Lightweight Applications 6 A1X 3 E TMKM18 Engineering Materials, Welding and Manufacturing Technology 6 A1X 3 E TMKT57 Product Modelling 6 A1X 3 E TMME11 Road Vehicle Dynamics 6 A1X 1 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 2 E TMMV07 Computational Fluid Dynamics, advanced course 6 A1X 3 E TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMPS27 Production Systems 6 A1X 3 E TMQU04 Six Sigma Quality 6 A1X 2 E TPMM06 Analysing and Improving Manufacturing Operations 6 A1X 3 E	TMMV08	Computational Fluid Dynamics	6	A1X	1	E
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Period 2 TMHL61 Damage Mechanics and Life Analysis 6 A1X 2 E TMKM09 Engineering Materials for Lightweight Applications 6 A1X 3 E TMKM18 Engineering Materials, Welding and Manufacturing Technology 6 G2X 2 E TMKT57 Product Modelling 6 A1X 3 E TMME11 Road Vehicle Dynamics 6 A1X 1 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 2 E TMMV07 Computational Fluid Dynamics, advanced course 6 A1X 4 E TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMPS27 Production Systems 6 A1X 3 E TMQU04 Six Sigma Quality 6 A1X 2 E TPMM06 Analysing and Improving Manufacturing Operations 6 A1X 3 E	TMQU31	Statistical Quality Control	6	A1X	2	E
TMHL61Damage Mechanics and Life Analysis6A1X2ETMKM09Engineering Materials for Lightweight Applications6A1X3ETMKM18Engineering Materials, Welding and Manufacturing Technology6G2X2ETMKT57Product Modelling6A1X3ETMME11Road Vehicle Dynamics6A1X1ETMMS10Fluid Power Systems and Transmissions6A1X2ETMMV07Computational Fluid Dynamics, advanced course6A1X4ETMMV56Aerodynamics, Continued Course6A1X3ETMQU04Six Sigma Quality6A1X2ETPMM06Analysing and Improving Manufacturing Operations6A1X3E	TPPE54	Advanced Planning and Scheduling	6	A1X	1	Е
TMKM09 Engineering Materials for Lightweight Applications Engineering Materials, Welding and Manufacturing Technology Engineering Materials for Lightweight 6 A1X 3 E TMKM18 Engineering Materials, Welding and Manufacturing 6 A2X 2 E Engineering Materials for Lightweight 6 A2X 2 E Engineering Materials for Lightweight 6 A2X 2 E Engineering Materials for Lightweight 6 A1X 3 E TMMT19 Product Modelling 6 A1X 1 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 2 E TMMV07 Computational Fluid Dynamics, advanced 6 A1X 3 E TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMPS27 Production Systems 6 A1X 3 E TMQU04 Six Sigma Quality 6 A1X 2 E TPMM06 Analysing and Improving Manufacturing Operations	Period 2					
TMKM09 Applications Engineering Materials, Welding and Manufacturing Technology TMKT57 Product Modelling 6 A1X 3 E TMME11 Road Vehicle Dynamics 6 A1X 1 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 2 E TMMV07 Computational Fluid Dynamics, advanced course TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMPS27 Production Systems 6 A1X 3 E TMQU04 Six Sigma Quality 6 A1X 2 E TPMM06 Analysing and Improving Manufacturing Operations 6 A1X 3 E	TMHL61	Damage Mechanics and Life Analysis	6	A1X	2	E
TMKT57 Product Modelling 6 A1X 3 E TMME11 Road Vehicle Dynamics 6 A1X 1 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 2 E TMMV07 Computational Fluid Dynamics, advanced course 6 A1X 4 E TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMPS27 Production Systems 6 A1X 3 E TMQU04 Six Sigma Quality 6 A1X 2 E TPMM06 Analysing and Improving Manufacturing Operations 6 A1X 3 E	ТМКМ09		6	A1X	3	E
TMME11 Road Vehicle Dynamics 6 A1X 1 E TMMS10 Fluid Power Systems and Transmissions 6 A1X 2 E TMMV07 Computational Fluid Dynamics, advanced course 6 A1X 4 E TMMV56 Aerodynamics, Continued Course 6 A1X 3 E TMPS27 Production Systems 6 A1X 3 E TMQU04 Six Sigma Quality 6 A1X 2 E TPMM06 Analysing and Improving Manufacturing Operations 6 A1X 3 E	TMKM18		6	G2X	2	E
TMMS10Fluid Power Systems and Transmissions6A1X2ETMMV07Computational Fluid Dynamics, advanced course6A1X4ETMMV56Aerodynamics, Continued Course6A1X3ETMPS27Production Systems6A1X3ETMQU04Six Sigma Quality6A1X2ETPMM06Analysing and Improving Manufacturing Operations6A1X3E	TMKT57	Product Modelling	6	A1X	3	E
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TMQU04 Six Sigma Quality 6 A1X 2 E TPMM06 Analysing and Improving Manufacturing Operations 6 A1X 3 E	TMMV56	Aerodynamics, Continued Course	6	A1X	3	Е
TPMM06 Analysing and Improving Manufacturing 6 A1X 3 E Operations	TMPS27	Production Systems	6	A1X	3	E
Operations 6 AIX 3 E	TMQU04	Six Sigma Quality	6	A1X	2	E
TSFS03 Vehicle Propulsion Systems 6 A1X 3 F	ТРММ06		6	A1X	3	E
	TSFS03	Vehicle Propulsion Systems	6	A1X	3	E

Semester 3 (Autumn 2017)



Period 1 Project Curse Advanced - Design Engineering Materials - Deformation and Fracture 6 A1X 4 C TKMJ31 Biofuels for Transportation 6 A1X 1 E TMAL02 Aircraft and Vehicle Design 6 G2X 4 E TMHL19 Advanced Material and Computational Mechanics 6 G2X 2 E TMHP02 Fluid Power Systems 6 G2X 2 E TMKT79 Collaborative Multidisciplinary Design Optimization 6 A1X 3 E TMME14 Machine Elements, Second Course 6 A1X 3 E TMME40 Vibration Analysis of Structures 6 A1X 3 E TMMS11 Models of Mechanics 6* A1X 3 E TMMS13 Electro Hydraulic Systems 6 A1X 2 E TMMS10 Aerodynamics 12* A1X 2 E TMPM05 Project Course Advanced - Design Engineering and Project Course Advanced - Manufacturing	Course code	Course name	Credits	Level	Timetable module	ECV
TKMJ31 Biofuels for Transportation 6 A1X 1 E TMALO2 Aircraft and Vehicle Design 6 G2X 4 E TMHL19 Advanced Material and Computational Mechanics 6 A1X 1 E TMHP02 Fluid Power Systems 6 G2X 2 E TMKT79 Collaborative Multidisciplinary Design Optimization 6 A1X 3 E TMME14 Machine Elements, Second Course 6 A1X 3 E TMME40 Vibration Analysis of Structures 6 A1X 3 E TMMS11 Models of Mechanics 6* A1X 2 E TMMV01 Aerodynamics 6 A1X 2 E TMPM05 Project Course Advanced - Design Engineering and Product Development 12* A1X - E TMPM06 Project Course Advanced - Applied Mechanics 12* A1X - E TMPM07 Project Course Advanced - Menaturing 12* A1X - E TMPM08 Project Course Advanced - Manufacturing 12* A1X - E TMPM08 Project Course Advanced - Manufacturing 12* A1X - E TMPM08 Project Course Advanced - Manufacturing 12* A1X - E TMPM09 Project Course Advanced - Manufacturing 12* A1X - E TMPM01 Probability and Statistics, first course 6 A1X 1 E TMPM03 Wechanics of Light Structures 6 A1X 1 E TMMS11 Models of Mechanics 6 A1X 1 E TMMS07 Biomechanics 6 A1X 1 E TMMS07 Biomechanics 6 A1X 1 E TMMS08 Structural Optimization 6 A1X 1 E TMMMS1 Fluid Mechanics 6 A1X 1 E TMMMS1 Fluid Mechanics 6 A1X 1 E TMMMS1 Fluid Mechanics 6 A1X 1 E TMMS1 Fluid Mechanics 6 A1X 1 E TMMS1 Fluid Mechanics 6 A1X 1 E TMMS1 Fluid Mechanics 6 A1X 1 E	Period 1					
TMAL02Aircraft and Vehicle Design6G2X4ETMHL19Advanced Material and Computational Mechanics6A1X1ETMHP02Fluid Power Systems6G2X2ETMKT79Collaborative Multidisciplinary Design Optimization6A1X2ETMME14Machine Elements, Second Course6A1X3ETMME40Vibration Analysis of Structures6A1X3ETMMS11Models of Mechanics6*A1X3ETMMS13Electro Hydraulic Systems6A1X2ETMMV01Aerodynamics6A1X2ETMPM05Project Course Advanced - Design Engineering and Product Development12*A1X-ETMPM06Project Course Advanced - Mechatronics12*A1X-ETMPM07Project Course Advanced - Manufacturing Engineering12*A1X-ETMPM08Project Course Advanced - Manufacturing Engineering12*A1X-ETMPS33Virtual Manufacturing6A1X1ETMPS33Virtual Manufacturing6A1X1ETMOP18Supply Chain Optimization6A1X1ETMMS07Biomechanics6A1X1ETMMS07Biomechanics6*A1X4ETMMS11Models of Mechanics6*A1X1ETMMV54	ТМКМ90		6	A1X	4	С
TMHL19 Advanced Material and Computational Mechanics TMHP02 Fluid Power Systems 6 G2X 2 E TMKT79 Collaborative Multidisciplinary Design Optimization TMME14 Machine Elements, Second Course 6 A1X 3 E TMME40 Vibration Analysis of Structures 6 A1X 3 E TMMS11 Models of Mechanics 6* A1X 2 E TMMS13 Electro Hydraulic Systems 6 A1X 2 E TMMW01 Aerodynamics 6 A1X 2 E TMPM05 Project Course Advanced - Design Engineering and Product Development TMPM06 Project Course Advanced - Mechatronics 12* A1X - E TMPM07 Project Course Advanced - Mechatronics 12* A1X - E TMPM08 Project Course Advanced - Manufacturing Engineering Engineering TMPS33 Virtual Manufacturing 6 A1N 4 E Period 2 TAMS11 Probability and Statistics, first course 6 A1X 1 E TMH03 Mechanics of Light Structures 6 A1X 1 E TMMS07 Biomechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 4 E TMMS07 Structural Optimization 6 A1X 1 E TMMS11 Models of Mechanics 6 A1X 1 E TMMS11 Models of Mechanics 6 A1X 1 E TMMS12 Structural Optimization 6 A1X 1 E TMMS13 Fluid Mechanics 6 A1X 1 E TMMS14 Computational Heat Transfer 6 A1X 1 E TMMV18 Fluid Mechanics 7 A1X 1 E TMMMV18 Project Course Advanced - Design Engineering 7 A1X 1 E TMMMV18 Project Course Advanced - Design Engineering 7 A1X 1 E TMMMV18 Fluid Mechanics 7 A1X 1 E TMMMV18 Project Course Advanced - Design Engineering 7 A1X 1 E TMMMV18 Project Course Advanced - Design Engineering 7 A1X 1 E TMMMV18 Project Course Advanced - Design Engineering 7 A1X 1 E TMMMV18 Project Course Advanced - Design Engineering 7 A1X 1 E TMMMV18 Project Course Advanced - Design Engineering 7 A1X 1 E TMMMV18 Project Course Advanced - Design Engineering 7 A1X 1 E	TKMJ31	Biofuels for Transportation	6	A1X	1	E
IMHL19 MechanicsMechanics6AIX1ETMHP02Fluid Power Systems6G2X2ETMKT79Collaborative Multidisciplinary Design Optimization6A1X2ETMME14Machine Elements, Second Course6A1X3ETMME40Vibration Analysis of Structures6A1X3ETMMS11Models of Mechanics6*A1X3ETMMS13Electro Hydraulic Systems6A1X2ETMMV01Aerodynamics6A1X2ETMPM05Project Course Advanced - Design Engineering and Product Development12*A1X-ETMPM06Project Course Advanced - Mechatronics12*A1X-ETMPM07Project Course Advanced - Manufacturing Engineering12*A1X-ETMPM08Project Course Advanced - Manufacturing Engineering12*A1X-ETMPS33Virtual Manufacturing6A1N4EPeriod 2TAMS11Probability and Statistics, first course6G2X4ETAOP18Supply Chain Optimization6A1X1ETMMS07Biomechanics6*A1X4ETMMS11Models of Mechanics6*A1X4ETMMS20Structural Optimization6A1X1ETMMV54Computational Heat Transfer6A1X1 </td <td>TMAL02</td> <td>Aircraft and Vehicle Design</td> <td>6</td> <td>G2X</td> <td>4</td> <td>Е</td>	TMAL02	Aircraft and Vehicle Design	6	G2X	4	Е
TMKT79 Collaborative Multidisciplinary Design Optimization TMME14 Machine Elements, Second Course 6 A1X 3 E TMME40 Vibration Analysis of Structures 6 A1X 3 E TMMS11 Models of Mechanics 6* A1X 3 E TMMS13 Electro Hydraulic Systems 6 A1X 2 E TMMV01 Aerodynamics 6 A1X 2 E TMPM05 Project Course Advanced - Design Engineering and Product Development 12* A1X - E TMPM06 Project Course Advanced - Mechatronics 12* A1X - E TMPM07 Project Course Advanced - Applied Mechanics 12* A1X - E TMPM08 Project Course Advanced - Manufacturing Engineering 21* A1X - E TMPM08 Project Course Advanced - Manufacturing 12* A1X - E TMPM08 Project Course Advanced - Manufacturing 6 A1N 4 E Period 2 TAMS11 Probability and Statistics, first course 6 G2X 4 E TAOP18 Supply Chain Optimization 6 A1X 1 E TMHL03 Mechanics of Light Structures 6 A1X 3 E TMMS07 Biomechanics 6 A1X 4 E TMMS07 Biomechanics 6 A1X 4 E TMMS08 Structural Optimization 6 A1X 1 E TMMS09 Project Course Advanced - Design Engineering 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 1 E	TMHL19		6	A1X	1	E
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TMME40Vibration Analysis of Structures6A1X3ETMMS11Models of Mechanics6*A1X3ETMMS13Electro Hydraulic Systems6A1X2ETMMV01Aerodynamics6A1X2ETMPM05Project Course Advanced - Design Engineering and Product Development12*A1X-ETMPM06Project Course Advanced - Mechatronics12*A1X-ETMPM07Project Course Advanced - Applied Mechanics12*A1X-ETMPM08Project Course Advanced - Manufacturing Engineering12*A1X-ETMPS33Virtual Manufacturing6A1N4EPeriod 2TAMS11Probability and Statistics, first course6G2X4ETAOP18Supply Chain Optimization6A1X1ETMHL03Mechanics of Light Structures6A1X1ETMMS07Biomechanics6*A1X4ETMMS11Models of Mechanics6*A1X4ETMMS20Structural Optimization6A1X1ETMMV18Fluid Mechanics6A1X1ETMMV54Computational Heat Transfer6A1X1ETMMM05Project Course Advanced - Design Engineering12*A1X-E	TMKT79		6	A1X	2	E
TMMS11Models of Mechanics6*A1X3ETMMS13Electro Hydraulic Systems6A1X2ETMMV01Aerodynamics6A1X2ETMPM05Project Course Advanced - Design Engineering and Product Development12*A1X-ETMPM06Project Course Advanced - Mechatronics12*A1X-ETMPM07Project Course Advanced - Applied Mechanics12*A1X-ETMPM08Project Course Advanced - Manufacturing Engineering12*A1X-ETMPS33Virtual Manufacturing6A1N4EPeriod 2TAMS11Probability and Statistics, first course6G2X4ETAOP18Supply Chain Optimization6A1X1ETMHL03Mechanics of Light Structures6A1X1ETMMS07Biomechanics6*A1X4ETMMS11Models of Mechanics6*A1X4ETMMS20Structural Optimization6A1X1ETMMV18Fluid Mechanics6A1X1ETMMV54Computational Heat Transfer6A1X1ETMMM05Project Course Advanced - Design Engineering12*A1X	TMME14	Machine Elements, Second Course	6	A1X	3	E
TMMS13Electro Hydraulic Systems6A1X2ETMMV01Aerodynamics6A1X2ETMPM05Project Course Advanced - Design Engineering and Product Development12*A1X-ETMPM06Project Course Advanced - Mechatronics12*A1X-ETMPM07Project Course Advanced - Applied Mechanics12*A1X-ETMPM08Project Course Advanced - Manufacturing Engineering12*A1X-ETMPS33Virtual Manufacturing6A1N4EPeriod 2TAMS11Probability and Statistics, first course6G2X4ETAOP18Supply Chain Optimization6A1X1ETMHL03Mechanics of Light Structures6A1X1ETMMS07Biomechanics6*A1X4ETMMS11Models of Mechanics6*A1X4ETMMS20Structural Optimization6A1X1ETMMV18Fluid Mechanics6A1X1ETMMV54Computational Heat Transfer6A1X1ETMMM05Project Course Advanced - Design Engineering12*A1X-E	TMME40	Vibration Analysis of Structures	6	A1X	3	Е
TMMV01 Aerodynamics 6 A1X 2 E TMPM05 Project Course Advanced - Design Engineering and Product Development 12* A1X - E TMPM06 Project Course Advanced - Mechatronics 12* A1X - E TMPM07 Project Course Advanced - Applied Mechanics 12* A1X - E TMPM08 Project Course Advanced - Manufacturing Engineering 12* A1X - E TMPS33 Virtual Manufacturing 6 A1N 4 E Period 2 TAMS11 Probability and Statistics, first course 6 G2X 4 E TAOP18 Supply Chain Optimization 6 A1X 1 E TMHL03 Mechanics of Light Structures 6 A1X 3 E TMMS07 Biomechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 1 E TMMS12 Structural Optimization 6 A1X 1 E TMMS20 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 1 E	TMMS11	Models of Mechanics	6*	A1X	3	Е
TMPM05 Project Course Advanced - Design Engineering and Product Development TMPM06 Project Course Advanced - Mechatronics 12* A1X - E TMPM07 Project Course Advanced - Applied Mechanics 12* A1X - E TMPM08 Project Course Advanced - Manufacturing Engineering TMPM08 Project Course Advanced - Manufacturing Engineering TMPS33 Virtual Manufacturing 6 A1N 4 E Period 2 TAMS11 Probability and Statistics, first course 6 G2X 4 E TAOP18 Supply Chain Optimization 6 A1X 1 E TMHL03 Mechanics of Light Structures 6 A1X 3 E TMMS07 Biomechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 1 E TMMS12 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 1 E TMMV18 Fluid Mechanics Froject Course Advanced - Design Engineering 12* A1X - E	TMMS13	Electro Hydraulic Systems	6	A1X	2	Е
TMPM06 Project Course Advanced - Mechatronics 12* A1X - E TMPM07 Project Course Advanced - Applied Mechanics 12* A1X - E TMPM08 Project Course Advanced - Manufacturing Engineering 12* A1X - E TMPM08 Project Course Advanced - Manufacturing Engineering 6 A1N 4 E Period 2 TAMS11 Probability and Statistics, first course 6 G2X 4 E TAOP18 Supply Chain Optimization 6 A1X 1 E TMHL03 Mechanics of Light Structures 6 A1X 3 E TMMS07 Biomechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 4 E TMMS12 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 2 E TMMV18 Fluid Mechanics 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 1 E	TMMV01	Aerodynamics	6	A1X	2	E
TMPM07 Project Course Advanced - Applied Mechanics 12* A1X - E TMPM08 Project Course Advanced - Manufacturing Engineering 12* A1X - E TMPS33 Virtual Manufacturing 6 A1N 4 E Period 2 TAMS11 Probability and Statistics, first course 6 G2X 4 E TAOP18 Supply Chain Optimization 6 A1X 1 E TMHL03 Mechanics of Light Structures 6 A1X 3 E TMMS07 Biomechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 4 E TMMS120 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 2 E TMMV18 Fluid Mechanics 6 A1X 1 E	TMPM05		12*	A1X	-	E
TMPM08Project Course Advanced - Manufacturing Engineering12*A1X-ETMPS33Virtual Manufacturing6A1N4EPeriod 2TAMS11Probability and Statistics, first course6G2X4ETAOP18Supply Chain Optimization6A1X1ETMHL03Mechanics of Light Structures6A1X3ETMMS07Biomechanics6A1X4ETMMS11Models of Mechanics6*A1X4ETMMS20Structural Optimization6A1X1ETMMV18Fluid Mechanics6A1X1ETMMV54Computational Heat Transfer6A1X1ETMPM05Project Course Advanced - Design Engineering12*A1X	TMPM06	Project Course Advanced - Mechatronics	12*	A1X	-	E
TMPS33 Virtual Manufacturing 6 A1N 4 E Period 2 TAMS11 Probability and Statistics, first course 6 G2X 4 E TAOP18 Supply Chain Optimization 6 A1X 1 E TMHL03 Mechanics of Light Structures 6 A1X 3 E TMMS07 Biomechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 4 E TMMS11 Models of Mechanics 6 A1X 4 E TMMS12 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 1 E TMMV54 Computational Heat Transfer 6 A1X 1 E	TMPM07	Project Course Advanced - Applied Mechanics	12*	A1X	-	E
Period 2 TAMS11 Probability and Statistics, first course 6 G2X 4 E TAOP18 Supply Chain Optimization 6 A1X 1 E TMHL03 Mechanics of Light Structures 6 A1X 3 E TMMS07 Biomechanics 6 A1X 4 E TMMS11 Models of Mechanics 6* A1X 4 E TMMS20 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 2 E TMMV54 Computational Heat Transfer 6 A1X 1 E	TMPM08	-	12*	A1X	-	E
TAMS11 Probability and Statistics, first course 6 G2X 4 E TAOP18 Supply Chain Optimization 6 A1X 1 E TMHL03 Mechanics of Light Structures 6 A1X 3 E TMMS07 Biomechanics 6 A1X 4 E TMMS11 Models of Mechanics 6* A1X 4 E TMMS20 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 2 E TMMV54 Computational Heat Transfer 6 A1X 1 E	TMPS33	Virtual Manufacturing	6	A1N	4	E
TAOP18 Supply Chain Optimization 6 A1X 1 E TMHL03 Mechanics of Light Structures 6 A1X 3 E TMMS07 Biomechanics 6 A1X 4 E TMMS11 Models of Mechanics 6* A1X 4 E TMMS20 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 2 E TMMV54 Computational Heat Transfer 6 A1X 1 E	Period 2					
TMHL03 Mechanics of Light Structures 6 A1X 3 E TMMS07 Biomechanics 6 A1X 4 E TMMS11 Models of Mechanics 6* A1X 4 E TMMS20 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 2 E TMMV54 Computational Heat Transfer 6 A1X 1 E	TAMS11	Probability and Statistics, first course	6	G2X	4	E
TMMS07 Biomechanics 6 A1X 4 E TMMS11 Models of Mechanics 6* A1X 4 E TMMS20 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 2 E TMMV54 Computational Heat Transfer 6 A1X 1 E TMPMO5 Project Course Advanced - Design Engineering 12* A1X - E	TAOP18	Supply Chain Optimization	6	A1X	1	Е
TMMS11 Models of Mechanics 6* A1X 4 E TMMS20 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 2 E TMMV54 Computational Heat Transfer 6 A1X 1 E TMPMO5 Project Course Advanced - Design Engineering 12* A1X - E	TMHL03	Mechanics of Light Structures	6	A1X	3	E
TMMS20 Structural Optimization 6 A1X 1 E TMMV18 Fluid Mechanics 6 A1X 2 E TMMV54 Computational Heat Transfer 6 A1X 1 E TMPMO5 Project Course Advanced - Design Engineering 12* A1X - F	TMMS07	Biomechanics	6	A1X	4	E
TMMV18 Fluid Mechanics 6 A1X 2 E TMMV54 Computational Heat Transfer 6 A1X 1 E TMPM05 Project Course Advanced - Design Engineering 12* A1X - F	TMMS11	Models of Mechanics	6*	A1X	4	E
TMMV54 Computational Heat Transfer 6 A1X 1 E TMPM05 Project Course Advanced - Design Engineering 12* A1X - F	TMMS20	Structural Optimization	6	A1X	1	E
TMPMO5 Project Course Advanced - Design Engineering	TMMV18	Fluid Mechanics	6	A1X	2	E
	TMMV54	Computational Heat Transfer	6	A1X	1	E
	TMPM05		12*	A1X	-	E
TMPM06 Project Course Advanced - Mechatronics 12* A1X - E	ТМРМ06	Project Course Advanced - Mechatronics	12*	A1X	-	E



Course code	Course name	Credits	Level	Timetable module	ECV
TMPM07	Project Course Advanced - Applied Mechanics	12*	A1X	-	Е
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1X	-	E

Semester 4 (Spring 2018)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TQXX30	Degree project - Master's Thesis	30*	A1X	-	С
Period 2					
TQXX30	Degree project - Master's Thesis	30*	A1X	-	С

ECV = Elective / Compulsory /Voluntary



^{*}The course is divided into several semesters and/or periods