

Recommended Study Schedule for Master's Programme in Industrial Management (IM) 2019-2020

160919 / MI

		SYKSY / AUTUMN										KEVÄT / SPRING																									
week		36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1st year	I period	II period										III period					IV period																				
		<p>TUTAC2170 Introduction to Production Management 5 ECTS</p> <p>OPI50039 Personal Study Plan 0 ECTS</p> <p>OPI50025 Searching for Scientific Information 1, 1 ECTS</p> <p>KENG9212 Writing Academic English 5 ECTS (autumn or spring), or</p> <p>KSUO5111 Finnish for Foreigners I 5 ECTS</p> <p>ORMS1020 Operations Research 5 ECTS*</p> <p>FILO1011 Philosophy of Science 3 ECTS</p> <p>STAT2020 Econometrics I 5 ECTS</p> <p>ORMS1010 Matemaattinen analyysi 5 ECTS (in Finnish)</p> <p>TUTA3050 Advanced Course in Quality and Reliability Management 5 ECTS (KPP), compulsory for all</p> <p>STAT2110 Statistical Data Processing SAS EG 5 ECTS **</p> <p>ORMS2020 Päätöksenteko epävarmuuden vallitessa 5 ECTS (in Finnish)</p> <p>TUTA3080 Operations Strategy (JT), compulsory for all</p> <p>TUTA3030 Technology Management 5 ECTS (JT), compulsory, Option B</p>										<p>TUTA2230 Innovative Product Development and</p> <p>TUTA2160 Basic Course in Logistics 5 ECTS</p> <p>TUTA1060 Basic Course in Quality 5 ECTS</p> <p>KENG9212 Writing Academic English 5 ECTS (autumn or spring)</p> <p>STAT1010 Statistical Analysis of Contingency and Regression 5 ECTS</p> <p>TUTA3120 Supply Chain Design and Management 5 ECTS (KPP), compulsory, Option A</p> <p>TUTA3240 Production Operations Management Methods 5 ECTS (PH), compulsory, Option A</p> <p>TUTA3220 Anticipation and Diffusion of Technological Innovations 5 ECTS (VT), compulsory, Option B</p> <p>TUTA3290 Sustainable Supply Chain Management and Circular Economy 5 ECTS (VT, AS)</p> <p>STAT2100 Tilastollinen tietojenkäsittely SPSS 5 ECTS (in Finnish) **</p>																									
		Optional Studies 31-32 ECTS of which 25 ECTS Business Studies in case the previous degree is in Technology / Engineering. Choose 1-3 courses per semester.																																			

Supplementary Studies 20 ECTS
 Maximum of 60 ECTS credits of supplementary studies can be required from students that have not done B.Sc. Degree in the University of Vaasa in major Industrial Management. Supplementary studies will be agreed in the Personal Study Plan (PSP). Typically supplementary studies are the following (unless the student has similar studies in his/her previous degree):
 TUTA2160 Basic Course in Logistics 5
 TUTA2230 Innovative Product Development and Product Lifecycle Management 5
 TUTAC2170 Intro. to Production Management 5
 TUTA1060 Basic Course in Quality 5
 The final decision of supplementary studies is made by the Head of Programme.

General and Language and Communications Studies 13-4 ECTS

Method Studies 15 ECTS
 * = ORSM1020 and MATH1170 are compulsory if you do not have them or similar in your previous studies. Please note that if you have studied courses with similar content in your bachelor's degree, you cannot take the same again on master level. This means e.g. if you have taken the STAT1030 Introduction to Statistics in your bachelor's degree, you cannot take MATH1170 Probability and Statistics.
 Choose more method courses so that the total will be worth 15 ECTS, for example STAT1010, STAT2020, ORMS1010, ORMS2020, STAT2110, STAT2100 or other mathematics and statistics courses (contact study counselor)
 ** = You cannot complete both STAT2110 and STAT2100

2nd year		<p>TUTA3230 Product and Service Design in Practice (JK) 5 ECTS</p> <p>JOHT3019 Project Management 5 ECTS</p> <p>TECH3010 Research Methods 5 ECTS, compulsory for all</p>										<p>TUTA3210 New Knowledge Creation and Organizational Learning in Product Development 5 ECTS (JK)</p> <p>TUTA3200 Enterprise Resource Planning 3 ECTS (PH)</p> <p>TUTA3270 Building Trust in Industrial Networks 3 ECTS (JP, ST)</p>					<p>TUTA3250 Simulation of Production Systems 3 ECTS (PH, RT)</p>				
		<p>TUTA3070 Project Work in Industrial Management 2-5 ECTS (VT) First or second year</p> <p>TUTA3950 Industrial Internship 1-5 ECTS First or second year</p> <p>TUTA3060 Contemporary Topics in Industrial Management 2-5 ECTS (VT) First or second year</p> <p>TUTA3980 Master's Thesis, including all of the following parts: TUTA3985 Research Plan and Presentation 10 ECTS, TUTA3986 Master's Thesis 20 ECTS, TUTA3987 Master's Thesis Presentation 0 ECTS and Maturity Exam 30 ECTS</p>																			
		Optional Studies 31-32 ECTS of which 25 ECTS Business studies in case the previous degree is in Technology / Engineering. Choose 1-3 courses per semester.																			

Major Studies: Courses 30 ECTS
 TUTA3050, TUTA3080 and TECH3010 are compulsory for all. Choose Option A or B for the rest. Options can't be mixed, you have to complete either or!

Major Studies, Option A: Logistics and Production Operations 15 ECTS

Major Studies, Option B: Technology Management and Product Development 15 ECTS

Major Studies: Master's Thesis and Maturity Exam 30 ECTS

Optional Studies 31-32 ECTS

N.B. This is a recommended programme schedule – to be used as a guideline but not necessarily to be followed strictly.
 Discuss the selection of optional courses with the study counselor when making your Personal Study Plan (PSP).
 The recommended workload for one academic year is 60 ECTS, including optional courses.