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|  |  | NOTICE!! You can only choose one complete package! You can’t mix up the courses from different packages! |  |  |  |
|  | Course code | OFFERS IN BUSINESS INFORMATION TECHNOLOGY, Tornio campusPACKAGE 1 |  |  | ECTScredits |
| https://soleops.lapinamk.fi/opsnet/all/gifs/startq_s.gif | T42D51  | NY Entrepreneurship You can utilize different kinds of innovation methods to find sustainable and efficient solutions to support business. You know how to benefit from the Nordic environment to grow business. You know how to find information about business environments in order to improve own business. You know the requirements necessary to establish a company and work as entrepreneurs. You have an entrepreneurial attitude towards future working life.Assessment criteria

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|  | Satisfactory | Good | Excellent |
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| Innovation Competence |

 | You are able to use innovation methods and recognizes the results of those methods. You are able to retrieve information from the business environment. You are able to describe a company’s profitability. You know the requirements to be an entrepreneur and you can describe the meaning of the said requirements. |

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| You are able to identify basic principles of innovations and the significance of innovations and creativeness in an entrepreneurship. You are able to explain and analyze the results of business environment and profitability related data. You are able to analyze personal readiness to become an entrepreneur. You are able to identify what personal abilities and professional skills one needs to develope. |

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| You are able to utilize and you can foresee the innovation methods as a possibility for a business. You are able to critically evaluate the profitableness of a company and make decisions that are sustainable and financially beneficial. You are able to recognize what is useful for the company in the situation at hand. You are able to evaluate what is the most important role of the entrepreneur in the given situation. You have increased entrepreneurial and innovative attitudes and you are able to make their own career development decisions |

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 | 18001  | Spring 2019  | 10  |
| https://soleops.lapinamk.fi/opsnet/all/gifs/startq_s.gif | T42D52  | Specialization Student is able to apply the latest knowledge and working methods of the field in the development project at hand. She/he is able to retrieve and critically evaluatethe information related to the project. She/he is able to make analytically thought solutions in order to solve the given project. Student is able to work in a  multicultural  and multidisciplinary team. She/he is able to work independently towards the given goal and she/he is able to foresee the causality of matters related to the project.

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| Satisfactory | Good | Excellent |
| Student is able to apply the knowledge gained during the studies and create new and usable knowledge for the project. | Student is able to apply the knowledge gained during the studies and create new and usable knowledge for the project. | Student is able to analyze and critically evaluate the results of the projectand make proposals for further development. |

 | 18001  | Spring 2019  | 20  |
|  | VV7U | Survival FinnishThe student will be able to get by (survive) in simple everyday situations in Finnish. S/he will understand simple-structured written and spoken messages about everyday subjects. The aim ist to achieve at least the level A1 of the CEFR (the Common European Framework of Reference for languages).Proficiency level A1 in CEFR: Can understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concrete type. Can introduce him/herself and others and can ask and answer questions about personal details such as where he/she lives, people he/she knows and things he/she has. Can interact in a simple way provided the other person talks slowly and clearly and is prepared to help.**There are no contact lessons in this course.****Headsets:** Student must bring his/her own USB Headset to succesfully participate in Adobe Contact e-classes.**Support:** If any questions about Adobe Contact etc., feel free to contact eLearning Services staff <http://eoppimispalvelut.fi/?lang=eng> | 18002 | Spring 2019 | 5 |
|  | Course code | OFFERS IN BUSINESS INFORMATION TECHNOLOGY, Tornio campusPACKAGE 2 |  |  | ECTScredits |
| https://soleops.lapinamk.fi/opsnet/all/gifs/startq_s.gif | T42D43  | Business Information and Data Analysis Learning has been organised based on project learning principles, where learning assignments are completed based on real world problems. The learning process is made of group work, group assigments, group coaching, information retrieval and independent study.Assessment is carried out during the entire semester based on both on process and outcomes - both with guidance and evaluation. The grades are 1-5, failed. | 18001  | Spring 2019  | 10  |
| https://soleops.lapinamk.fi/opsnet/all/gifs/startq_s.gif | T42D42  | Digital Ecosystems Learning process is organised through a project work and problem solving process. It includes teamwork, team tasks, team tutoring, and knowledge acquisition activities.Assessment is based on the process and actual skills and knowledge evaluation.Grading scale 0(fail) -5(excellent)Excellent (5)Good (3-4)Satisfactory (1-2)Fail: The student does not complete the assignments according to instructions or does not attend the learning situations at all. He/she does not pass the assignments and/or the exam as required. | 18001  | Spring 2019  | 10  |
| https://soleops.lapinamk.fi/opsnet/all/gifs/startq_s.gif | T42D41  | Enabling Digital Transformation Learning process is organised through a project work and problem solving process. It includes teamwork, team tasks, team tutoring, and knowledge acquisition activities.Assessment is based on the process and actual skills and knowledge evaluation.Grading scale 0(fail) -5(excellent)Excellent (5)Good (3-4)Satisfactory (1-2)Fail: The student does not complete the assignments according to instructions or does not attend the learning situations at all. He/she does not pass the assignments and/or the exam as required. | 18001  | Spring 2019  | 10  |
|  | VV7U | Survival FinnishThe student will be able to get by (survive) in simple everyday situations in Finnish. S/he will understand simple-structured written and spoken messages about everyday subjects. The aim ist to achieve at least the level A1 of the CEFR (the Common European Framework of Reference for languages).Proficiency level A1 in CEFR: Can understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concrete type. Can introduce him/herself and others and can ask and answer questions about personal details such as where he/she lives, people he/she knows and things he/she has. Can interact in a simple way provided the other person talks slowly and clearly and is prepared to help.**There are no contact lessons in this course.****Headsets:** Student must bring his/her own USB Headset to succesfully participate in Adobe Contact e-classes.**Support:** If any questions about Adobe Contact etc., feel free to contact eLearning Services staff <http://eoppimispalvelut.fi/?lang=eng> | 18002 | Spring 2019 | 5 |
|  | Course code | OFFERS IN BUSINESS INFORMATION TECHNOLOGY, Tornio campusPACKAGE 3 |  |  | ECTScredits |
| https://soleops.lapinamk.fi/opsnet/all/gifs/startq_s.gif | T42D21  | Planning ICT Solutions After this module, you know different sourcing models and their appropriateness for the business requirements. You are able to analyze business environment to identify development opportunities and requirements for the ICT solutions.

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| **Evaluation target** | **Satisfactory** | **Good** | **Excellent** |
| You are able to analyze business environment to identify development opportunities and requirements for the ICT solutions. | You analyze the business environment and define the general development opportunities for the case company. | Your analysis and solution are common in the field but introduce new perspectives to the case company. The solution largely meets the needs of the case company. | You propose a plan on the development of the holistic ICT environment, which contributes to the organizational long-term strategy. |
| You know different sourcing models and their appropriateness for the business requirements. | You are able to identify common ICT solutions and their vendors according to the given business requirements. | You have good overall picture of different sourcing models and their appropriateness for the chosen ICT strategy and business requirements. | You are able to analyze the feasibility of the proposed sourcing models in terms of costs and benefits. |

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| https://soleops.lapinamk.fi/opsnet/all/gifs/startq_s.gif | T42D22 | Digital Transformation of EnterprisesAfter this module, you understand the role of ICT in digital transformation, and you are able to recommend the appropriate ICT solutions according to the business strategy.This module provides you the essential practical knowledge about digital transformation in enterprises. This knowledge and skills are required to plan how new ICT solutions can enhance business opportunities of an enterprise.The module is implemented through a problem-based learning approach. Students analyze the business and the ICT environmentof the case company. Teachers coach the learning process, lecture, guide the practical work, organize workshops, and provide consultancy to the students. **Literature on digital transformation:**Rogers, D. 2016. The Digital Transformation Playbook. Columbia Business School.Hana, N. 2016. Mastering Digital Transformation: Towards a Smarter Society, Economy, City, and Nation. Emerald Group Publishing Limited.Skilton, M. 2015. Building the Digital Enterprise. Palgrave Macmillan.**Literature on platform business model and digital economy:**Parker, G. G., Van Alstyne, M. W., & Choudary, S. P. 2016. Platform Revolution. W.W.Norton & Company.Choudary, S.P. 2015. Platform Scale. Platform Thinking Labs.Evans, D. & Schmalensee, R. 2016. Matchmakers: The New Economy of Multisided Platforms. Harvard Business Review Press.Sundararajan, A. 2016. The Sharing Economy. The MIT Press.Susskind, R. & Suskind, D. 2015.The Future of the Professions: How Technology Will Transform the Work of Human Experts. Oxford University Press.Ford, M.The Rise of the Robots: Technology and the Threat of Mass Unemployment. 2015. Oneworld Publications.Ross. A. 2015. The Industries of the Future.Simon & Schuster.**Smart, connected products and digital service**Porter, M. & Heppelmann, J. 2014. How smart, connected products are transforming competition. Harvard Business Review.Porter, M. & Heppelmann, J. 2015. How smart, connected products are transforming companies. Harvard Business Review.Rowland, C., Goodman, E., Charlier, M., Light, A. & Lui, A. 2015. Designing Connected Products: UX for the Consumer Internet of Things.Some other reading materials are recommended in the class.The module includes 2 themes. Every theme consists of lectures, class discussions, individual and group exercises.**Theme: Digital transformation**- What is digital transformation and how does it change our lives.- Smart, connected products and how do they change the competitive environment.- Platform revolution.- Digital economy.**Theme: Digital enterprise**- Digital ecosystems.- Digital transformation of an enterprise.- The role of technology and ICT solutions in digital transformation. |  | Spring2019 | 10 |
| https://soleops.lapinamk.fi/opsnet/all/gifs/startq_s.gif | T42D17S | Enterprise Information ManagementAfter this module, you know the core elements and foundational capabilities of smart, connected products and digital service, including related technology infrastructure and skillsets. You know how to utilize smart, connected products and digital service in the enterprise environment. Finally, you know the main principles and methods of enterprise information management, tools, standards and policies.Learning process is organised through a project work and problem solving process. It includes teamwork, team tasks, team tutoring, and knowledge acquisition activities.

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| **Evaluation target** | **Satisfactory** | **Good** | **Excellent** |
| You know the core elements and foundational capabilities of smart, connected products and digital service. | You know the core elements and foundational capabilities of smart, connected products and digital service and are able to recognize development opportunities in a specific business environment. | You are able to contribute to the design and utilization of smart, connected products and digital service in the case company. | You are able to contribute to the development of the digital ecosystem of the case company based on utilization of smart, connected products and digital service. |
| You know the main principles and methods of enterprise information management, tools, standards and policies. | You know the main principles and methods of enterprise information and data management, tools, standards and policies, including security issues. | You are able to contribute to the development of ICT strategies and policies. | You are able to contribute to the development of the information architecture of the enterprise. |

Assessment is based on the process and actual skills and knowledge evaluation.Grading scale 0(fail) -5(excellent)Excellent (5)Good (3-4)Satisfactory (1-2)Fail:The student does not complete the assignments according to instructions or does not attend the learning situations at all. He/she does not pass the assignments and/or the exam as required. |  | Spring2019 | 10 |
|  | VV7U | Survival FinnishThe student will be able to get by (survive) in simple everyday situations in Finnish. S/he will understand simple-structured written and spoken messages about everyday subjects. The aim ist to achieve at least the level A1 of the CEFR (the Common European Framework of Reference for languages).Proficiency level A1 in CEFR: Can understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concrete type. Can introduce him/herself and others and can ask and answer questions about personal details such as where he/she lives, people he/she knows and things he/she has. Can interact in a simple way provided the other person talks slowly and clearly and is prepared to help.**There are no contact lessons in this course.****Headsets:** Student must bring his/her own USB Headset to succesfully participate in Adobe Contact e-classes.**Support:** If any questions about Adobe Contact etc., feel free to contact eLearning Services staff <http://eoppimispalvelut.fi/?lang=eng> | 18002 | Spring 2019 | 5 |