

## Interdisciplinary Project Studies in Oamk LABs

### Module I (Demo Path):

#### Interdisciplinary Demo Development Project Studies in Oamk LABs (30 ECTS)

*(Consists of two courses: YY00BR00 Concept Creation and YY00BR01 Demo Creation)*

#### YY00BR00 Concept Creation (15 ECTS)

##### Learning outcomes:

The student describes the initial need/problem/opportunity. He/ she is able to differentiate between solution and problem. The student classifies, compares and analyse current state of similar products or possible competitors and differentiate the problem from different stakeholders point of view. She / he describes the potential users, early adopters.

The student creates a viable, feasible and desirable concept. She / he recognizes and compares relevant theoretical knowledge. She / he analyses the business opportunity based on the current industry state. The student presents and defends the concept and it's business opportunity according to the set criteria, and receives feedback from industry professionals.

She/ he adapts presentation based on the audience. The student communicates with interdisciplinary team members about concepts his/her field. She/he communicates in a team. She/he recognizes team's strengths and use them to guide design process. She / he acts responsibly in a team. The student recognizes and analyses his/her own collaboration and communication styles and skills. She/ he summarizes different ways of giving and receiving feedback. He/she recognizes and explains achievement in learning goals for professional development and recognizes personal career goals.

The student recognizes characteristic of attitude towards novel situations. She / he recognizes his/her own skills and knowledge. The student compares and explains his/her own disciplinary skills and knowledge related to the project.

##### Content:

Concept development  
Problem/Solution Space  
Interdisciplinary team  
Presentation skills  
Communication  
Self-awareness  
Innovativeness  
Creativity  
Collaboration  
Critical thinking  
Sustainability  
Project pruning  
Evaluating business opportunity

**Pre-requisites:**

Student should have enough knowledge and skills from their own field of studies. Oamk LABs studies are mainly for 3th and 4th year students. Studies are also for unemployed professionals, who want to develop their own expertise.

**Additional information:**

This course can be done as individual course, but it is also connected to other courses of Oamk LABs (YY00BR01 Demo Creation, YY00BR02 Product Path 1 and YY00BR03 Product Path 2). This course is also the first part of 30 ECTS module of Interdisciplinary Demo Development Project Studies at Oamk LABs

More information about Oamk LABs from [www.oamklabs.fi](http://www.oamklabs.fi)

**YY00BR01 Demo Creation (15 ECTS)**

**Learning outcomes:**

The student validates problem solution fit. She/he compares and tests solution options and defends solution design choices.

He/she analyses and applies prototype feedback from end users. She/he creates a viable, feasible and desirable demonstration (demo) of the desired solution. The student validates demo with testing. He/she applies theoretical knowledge in the development of the demo and applies theoretical knowledge and available expertise to develop solution. She/he classifies, compares and analyses current state of the demo relative to plans.

The student defends opinions with facts. He/she describes the scope and constraints for solution and business.

She/he investigates and identifies business opportunities of demo as well as creates and validates business model.

The student recognizes collaboration possibilities. She/he validates demo with testing and analyses the value of the solution to the end user. He/she compares user benefits of prototype options and investigates and identifies business opportunities of demo. She/he creates a marketing plan, implements marketing actions and evaluates effectiveness.

The student executes project development by agile methods. She/he uses prototypes to learn, analyses the value of the solution to the end user and compares user benefits of prototype options.

The student presents and defends the demo and it's business opportunity according to the set criteria, and receives feedback from industry professionals. She/he adapts presentation based on the audience. She/he negotiates with team members and decides on project goals. He/she communicates and collaborates as an interdisciplinary team member. She/he evaluates and develops teamwork in interdisciplinary team. The student describes roles and responsibilities in a team and acts according to roles decided. He/she acts responsibly in a team.

The student develops self-knowledge as a team member. He/she uses teamwork skills and best practises in an interdisciplinary environment that supports his/her personal goals and encourages self-directing. She/he uses different ways of giving and receiving feedback to improve teamwork and his/her own performance.

The student analyses his/her own learning skills and achievements related to them. She/he reflects on own professional performance and recognises his/her own professional skills and describes a path for further development.

The student evaluates progress towards his/her career goals. She/he plans and shows a professional portfolio. She/he practices working in novel situations with one's own team; daily problem solving during development. She/he plans needed time for project tasks realistically. She/he applies appropriate disciplinary skills and knowledge in project planning and making the demo

Content:

Project planning

Teamwork

Project management

Inner leadership

Entrepreneurial mind set

Agile development

Able to work in project and representing their field

Sustainability

Project documentation, communication

Developing a business model

International context

Pre-requisites:

Student should have enough knowledge and skills from their own field of studies. Oamk LABs studies are mainly for 3th and 4th year students. Studies are also for unemployed professionals, who want to develop their own expertise.

Student must have done the course YY00BR01 Concept Creation or have or equivalent knowledge and skills.

This course is the second part of 30 ECTS module of Interdisciplinary Demo Development Project Studies at Oamk LABs.

Additional information:

This course can be done as individual course, but it is also connected to other courses of Oamk LABs (YY00BR00 Concept Creation , YY00BR02 Product Path 1 and YY00BR03 Product Path 2).

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Interdisciplinary Product Development Project Studies in Oamk LABs (30 ECTS)

## **Module II (Product Path):**

### **Interdisciplinary Product Development Project Studies in Oamk LABs (30 ECTS)**

*(Consists of two courses: YY00BR02 Product Path 1 and YY00BR03 Product Path 2)*

#### **YY00BR02 Product Path 1 (15 ECTS)**

##### Learning outcomes:

The student validates product market fit. He/she recognizes and analyses already existing competitors, differentiates the product from different stakeholders point of view. He/she analyses and applies prototype feedback from end users and creates a viable, feasible and desirable professional product.

He/she applies and critically evaluates needed and useful theoretical knowledge in the development of the product. She/he collaborates with area experts. He/she classifies, compares, criticises and analyses different states of the final product relative to the industry state. He/she creates and validates business model, investigates and identifies business opportunities of the product and recognizes collaboration possibilities. He/she validates product with testing prototypes, analyses the value of the solution to the end user, compares user benefits of prototype options and investigates and identifies business opportunities of demo.

The student creates a marketing plan, implements marketing actions and evaluates effectiveness. He/she identifies collaboration opportunities, executes project development by agile methods and uses prototypes to learn.

The student presents and defends the product on different states and it's business opportunity according to the criteria from industry, and receives feedback from industry professionals. She/he adapts presentation based on the audience and actively searches for opportunities to present the product for appropriate audience

The student negotiates with team members and decides on project goals. He/she communicates and collaborates as an interdisciplinary team member and divides roles and tasks to utilize team resources effectively and reach team goals. She/he recognizes and develops teamwork skills. She/he recognizes and uses external network when needed. She/he acts responsibly in a team and works as a team member with all responsibilities needed in a development team.

The student understands how to be proactive with problems between team members. She/he analyses and evaluates different ways of giving and receiving feedback to improve teamwork and his/her own performance. She/he utilises external network for feedback.

The student recognizes development needs. He/she reflects on his/her own professional performance, analyses his/her own professional skills and makes clear career plan. She/he works in novel situations and develops skills for similar situations ; daily problem solving during development. She/he evaluates and develops her/his ability to plan needed time for professional tasks realistically. He/she designs and produces the product as an expert in an interdisciplinary team.

##### Content:

Project working  
Interdisciplinary teamwork  
Project management  
Inner leadership  
Entrepreneurial mind set  
Agile development

Able to work in project and representing the field  
Sustainability  
Project documentation, communication  
Developing a business model  
International context

**Pre-requisites:**

The student should have enough knowledge and skills from their own field of studies. Oamk LABs studies are mainly for 3th and 4th year students. Studies are also for unemployed professionals, who want to develop their own expertise.

The student must have done the courses YY00BR00 Concept Creation and YY00BR01 Demo Creation or have or equivalent knowledge and skills.

This course is the first part of 30 ECTS module of Interdisciplinary Product Development Project Studies at Oamk LABs.

**Additional information:**

This course is connected to other courses of Oamk LABs (YY00BR00 Concept Creation, YY00BR01 Demo Creation and Product Path 2). For students who have already developed a Demo / product that has strong opportunity for becoming as a company, this course offers valuable skills, knowledge, wild possibilities for coaching and developing their own company.

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### **YY00BR03 Product Path 2 (15 ECTS)**

**Learning outcomes:**

The student validates product market fit. He/she recognizes and analyses already existing competitors, differentiates the product from different stakeholders point of view. He/she analyses, evaluates critically and applies prototype feedback from end users and creates a viable, feasible and desirable professional product.

He/she applies and critically evaluates needed and useful theoretical knowledge in the development of the product. She/he collaborates with area experts. He/she classifies, compares, criticises and analyses different states of the final product relative to the industry state. He/she creates and validates business model, investigates and identifies business opportunities of the product and recognizes collaboration possibilities. He/she validates product with testing prototypes, analyses the value of the solution to the end user, compares user benefits of prototype options and investigates and identifies business opportunities of product.

The student creates a marketing plan, implements marketing actions and evaluates effectiveness. He/she identifies collaboration opportunities, executes project development by agile methods and uses prototypes to learn.

The student presents and defends the product on different states and it's business opportunity according to the criteria from industry, and receives feedback from industry professionals. She/he adapts presentation based on the audience and actively searches for opportunities to present the product for appropriate audience

The student negotiates with team members and decides on project goals. He/she communicates and collaborates as an interdisciplinary team member and divides roles and tasks to utilize team resources

effectively and reach team goals. She/he recognizes and develops teamwork skills. She/he recognizes and uses external network when needed. She/he acts responsibly in a team and works as a team member with all responsibilities needed in a development team.

The student understands how to be proactive with problems between team members and acts as such. She/he analyses and evaluates different ways of giving and receiving feedback to improve teamwork and his/her own performance. She/he utilises external network for feedback.

The student recognizes development needs. He/she reflects on his/her own professional performance, analyses his/her own professional skills and makes clear career plan. He/she plans and shows a professional portfolio. She/he works in novel situations and develops skills for similar situations; daily problem solving during development. She/he evaluates and develops her/his ability to plan needed time for professional tasks realistically. He/she designs and produces the product as an expert in an interdisciplinary team.

**Content:**

Project working  
Interdisciplinary teamwork  
Project management  
Inner leadership  
Entrepreneurial mind set  
Agile development  
Able to work in project and representing the field  
Sustainability  
Project documentation, communication

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