

Syllabus Frontend developer focus on web security

Training number: YH00806 - 2022 - 2

400 YH points



Compulsory courses and course credits

Self-leadership - leading oneself, foundation	5 Yh points
Frontend development - Client	30 Yh points
Basic JavaScript programming	25 Yh points
Frontend Development - Server	20 Yh points
Secure communication over the internet	30 Yh points
Self-leadership - leading oneself, continued	5 Yh points
Web framework for JavaScript	40 Yh points
Agile project methodology and testing	20 Yh points
Advanced web development with JavaScript	30 Yh points
Packaging, delivery and follow-up	30 Yh points
Web security - analysis and implementation	30 Yh points
LIA 1	60 Yh points
LIA 2	50 Yh points
Master thesis	25 Yh points

Amount: 400 Yh points



Syllabus Self-leadership – leading oneself, foundation

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 5 university of applied sciences credits

Decided by management team: 2022-06-03

Version: 1
Elective course: No

Language: The course is given in Swedish.

Prerequisites:

Content and purpose

The purpose of the basic and continuation course is to develop skills and competencies in the student that working life has deemed important to be able to perform well in the upcoming professional role.

The basic course has a focus on developing the ability to motivate oneself and to develop attitudes that lead to maximum development during the course of study and later in working life. This also leads to increased employability after the education. In the continuation course, the student's ability to set and work towards goals is developed and to create behaviors that make the goals easier to reach.

Course objectives

After completing the course with an approved result, the student must be able to:

Knowledge

1. Methods to motivate oneself 2.

Methods to develop attitudes that increase the student's ability to develop and perform well during studies and later in working life

Skills 3. Be

able to apply methods to motivate oneself 4. Be able to apply methods to develop attitudes that increase performance

Competences

5. Independently and confidently able to assess and reflect on different methods in order to be able to motivate oneself and to develop attitudes that increase performance.

Forms of knowledge control

The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:

Course objectives 1-5: assignment (IG/G/VG)

The course grade is based on a combination of all assessment documents.



Principles for grading The

student's performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and achieved all course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding the application of the methods and tools included in this course.



Syllabus - Frontend Development: Client

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 30 university of applied sciences credits

Decided by management team: 2022-06-03

Version:

Elective course: No

Language: The course is given in Swedish. Course literature in English may occur

Prerequisites:

Content and purpose

The course introduces the student to front-end development from both a visual and a logical perspective and where structure, presentation and interaction are in focus. The course contains course literature in English. This course literature develops the students' ability to communicate in English within the professional field.

Course objectives

After completing the course with an approved result, the student must be able to:

Skills 1.

HTML and CSS

2. Creating interaction using JavaScript 3.

Frontend frameworks

4. Cross-browser web development 5.

Responsive design and design patterns 6.

Developing using browser developer consoles

Skills 7.

Develop towards browser environment from a visual and logical perspective

8. Measure performance and

debug 9. Manage design patterns and development tools for frontend development 10. Work towards a version control system, for example Git

Competences.

11. Independently and confidently assess and choose different methods for front-end development

Forms of knowledge control

The student's knowledge, skills and competences are assessed based on the results of the following knowledge checks:

Course objectives 1-11: assignment (IG/G/VG)

The course grade is based on a combination of all assessment documents.



Principles for grading The

student's performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and achieved all course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding the application of the methods and tools included in this course.

Syllabus –



Basic JavaScript programming

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 25 university of applied sciences credits

Decided by management team: 2022-06-03

Version: 1

Elective course: No

Language: The course is given in Swedish. Course literature in English may occur

Prerequisites:

Content and purpose

The course provides an understanding of what programming entails, differences between different programming languages, the structure of a program and the mathematics that is relevant to being able to build advanced functionality.

Course objectives

After completing the course with an approved result, the student must be able to:

Knowledge

1. The difference between different types of programming languages, what they are used for and what role JavaScript plays in the

context 2. Syntax for

JavaScript 3. Object-oriented programming and being able to explain how different tasks can be solved with object-oriented programming and reason about different solution options

4. General knowledge of libraries and frameworks 5.

Code conventions 6.

Different tools for web developers

Skills 7.

Apply JavaScript to solve various programming tasks

Competencies

8. Independently reflect on and evaluate choices made during the development of web applications

Forms of knowledge control

The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:

• Course objectives 1-8: assignment (IG/G/VG)

The course grade is based on a combination of all assessment documents.

Principles for grading The

student's performance is graded after completed course with the grades Not Passed (IG),



Passed (G) or Well Passed	(VG)).
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Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and achieved all course objectives. The student must also be able to make well-grounded and nuanced applications of the syntax for JavaScript.

Course plan - Frontend development Server

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2 20

Scope of the course: university of applied sciences credits



Decided by management team: 2022-06-03

Version: 1

Elective course: No

Language: The course is given in Swedish. Course literature in English may include

Prerequisites: Basic JavaScript programming

Content and purpose

The purpose of the course is to teach the student backend development in JavaScript with node.js, or equivalent. The course develops the student's ability to develop server applications.

Course objectives

After completing the course with an approved result, the student must be able to:

Knowledge

1. Backend development with node.js, or equivalent 2. Create server applications

Skills 3.

Develop towards server and desktop with node.js, or equivalent 4. Structure code in a server application using the REST API

Competencies

5. Independently assess and evaluate different methods for backend development

Forms of knowledge control

The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:

• Course objectives 1-5: assignment (IG/G/VG)

The course grade is based on a combination of all assessment documents.

Principles for grading The student's

performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and reached all of them



course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding the application of them methods and tools included in this course.

Syllabus -

Secure communication over the internet

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 30 university of applied sciences credits



Decided by management team: 2022-06-03

Version: 1

Elective course: No

Language: The course is given in Swedish. Course literature in English may occur

Prerequisites:

Content and purpose

The aim of the course is for the students to learn to develop web applications that can send information over the internet and to have a basic understanding of how secure communication over the internet works and how to create secure communication.

Course objectives

After completing the course with an approved result, the student must be able to:

Knowledge

Methods for creating secure communication over the Internet and between applications 2.
 Methods for developing secure web applications that send information over internet

Skills 3. Be

able to apply different methods to send and receive data 4. Create secure applications that apply secure communication

Competences

5. Independently choose and apply secure methods for communicating over the internet

Forms of knowledge control

The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:

• Course objectives 1-5: assignment (IG/G/VG) •

Course objectives 1-5: written test (IG/G/VG)

The course grade is based on a combination of all assessment documents.

Principles for grading The student's

performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.



Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and achieved all course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding the application of the methods and tools included in this course.

Syllabus Self-leadership – leading oneself, continued

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 5 university of applied sciences credits

Decided by management team: 2022-06-03

Version:



Elective course: No

Language: The course is given in Swedish.

Prerequisites:

Content and purpose

The purpose of the basic and continuation course is to develop skills and competences in the student that working life has judged to be important to be able to perform well in the upcoming professional role.

The basic course has a focus on developing the ability to motivate oneself and to develop attitudes that lead to maximum development during the course of study and later in working life.

This also leads to increased employability after the education. In the continuation course, the student's ability to set and work towards goals is developed and to create behaviors that make the goals easier to reach.

Course objectives

After completing the course with an approved result, the student must be able to:

Knowledge

- 1. Methods for setting and working towards goals
- 2. Methods for creating behaviors that increase the ability for self-leadership

Skills 3. Be

able to apply methods to set and work towards goals 4. Be able to apply methods to create behaviors that increase the ability for self-leadership

Competences

Independently and confidently able to assess and reflect on different methods for setting and working towards goals and to develop behaviors that increase the ability for selfleadership

Forms of knowledge control

The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:

• Course objectives 1-5: assignment (IG/G/VG)

The course grade is based on a combination of all assessment documents.

Principles for grading



The student's performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without reaching all of them course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and reached all of them course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding the application of them methods and tools included in this course.

Syllabus - Web Framework for JavaScript

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 40 university of applied sciences credits

Decided by management team: 2022-06-03

Version: 1

Elective course: No

Language: The course is given in Swedish. Course literature in English may occur



Prerequisites: Basic JavaScript programming

Content and purpose

During the course, the student's ability to combine front-end and back-end technologies to build complete web applications is deepened. This is done using frameworks, libraries and design patterns. The course contains course literature in English. This course literature develops the students' ability to communicate in English within the professional field.

Course objectives

After completing the course with an approved result, the student must be able to:

Skills 1.

Architecture patterns, for example Model-View-Controller (MVC)

2. Common frameworks, libraries and design patterns

Skills 3.

Develop applications using commonly used architectural patterns, frameworks, libraries and design patterns

4. Choose frameworks, libraries and design patterns based on type of application

Competencies

5. Independently assess and apply web frameworks in the development of applications

Forms of knowledge control

The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:

• Course objectives 1-5: assignment (IG/G/VG)

The course grade is based on a combination of all assessment documents.

Principles for grading The

student's performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.



Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and reached all of them course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding the application of them methods and tools included in this course.

Syllabus – Agile project methodology and testing

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 20 university of applied sciences credits

Decided by management team: 2022-06-03

Version: 1

Elective course: No

Language: The course is given in Swedish. Course literature in English may occur

Prerequisites:

Content and purpose



In the course, the student learns traditional project methodology and agile project methods, which are most common in development projects. In addition, the student learns how testing can be planned, carried out and followed up.

Training points:

 Traditional and agile project methods and under what conditions they work successfully

How testing can be planned, carried out and followed up

Course objectives

After completing the course with an approved result, the student must be able to:

Skills 1.

Traditional project methods 2.

Agile project methods 3.

The testing process

4. Test design

techniques 5. Different

types of tests 6. Testing in different project methods

Skills 7. Be

able to apply different types of testing methods for development projects

8. Apply traditional and agile project methods

Competences

 Independently evaluate working methods against different conditions 10. Independently assess different test methods against different conditions

Forms of knowledge assessment

The student's knowledge, skills and competences are assessed based on the results of the following knowledge

assessments: 1. Course objectives 1-10: written test (IG/G/VG)

2. Course objectives 1-10: assignment (IG/G/VG)

The course grade is based on a combination of all assessment documents.

Principles for grading The

student's performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)



To receive the grade Not Passed (IG), the student must have completed the course without reaching all of them course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and reached all of them course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding the application of them methods and tools included in this course.

Syllabus – Advanced web development with JavaScript

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 30 university of applied sciences credits

Decided by management team: 2022-06-03

Version: 1
Elective course: No

Language: The course is given in Swedish. Course literature in English may occur

Prerequisites: Basic JavaScript programming



Content and

purpose The course gives students in-depth knowledge of how to use JavaScript for advanced web development. The students also learn web security. The course contains course literature in English. This course literature develops the students' ability to communicate in English within the professional field.

Course objectives

After completing the course with an approved result, the student must be able to:

Knowledge

- 1. Methods for developing towards and using the mobile phone's built-in functions and
- 2. Methods for designing and developing secure applications

Skills 3.

Apply different methods for secure web development 4.

Program against and use the mobile phone's built-in functions and sensors

Competences

- Being able to independently assess different methods in order to be able to design and develop safe applications
- 6. Independently assess and evaluate different methods for designing and developing towards the mobile phone's built-in functions and sensors

Forms of knowledge control

The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:

• Course objectives 1-6: assignment (IG/G/VG)

The course grade is based on a combination of all assessment documents.

Principles for grading The

student's performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and reached all of them



course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding the application of the methods and tools included in this course.



Syllabus – Packaging, delivery and follow-up

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 30 university of applied sciences credits

Decided by management team: 2022-06-03

Version: 1
Elective course: No

Language: The course is given in Swedish. Course literature in English may occur

Prerequisites:

Content and purpose

The course focuses on tools for packaging applications. The student learns component testing as well as using services and tools to automate and improve workflow by simplifying compression, minification and production deployment of updates. The course also covers how to maintain, version manage and further develop a product.

Course objectives

After completing the course with an approved result, the student must be able to:

Knowledge

1. Build system for application deliveries 2.

Component testing 3.

Version management

- 4. Optimization and production deployment
- 5. Further development of applications

Skills 6.

Apply methods for packaging, delivery and follow-up 7. Use build systems 8. Apply methods

for version management as well as optimization and production setting of applications

9. Apply methods to manage updates to applications

Competencies

 Independently assess and evaluate different methods of packaging, delivery and follow-up



Forms of knowledge control

The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:

- Course objectives 1-10: written test (IG/G/VG)
- Course objectives 1-10: assignment (IG/G/VG)

The course grade is based on a combination of all assessment documents.

Principles for grading The

student's performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and achieved all course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding the application of the techniques, methods and tools included in this course.



Syllabus – Web security - analysis and implementation

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 30 university of applied sciences credits

Decided by management team: 2022-06-03

Version: 1
Elective course: No

Language: The course is given in Swedish. Course literature in English may occur

Prerequisites:

Content and

purpose In the course, the student learns to create web applications that meet both functional requirements and also the requirements placed on secure architecture and secure solutions. The course contains course literature in English. This course literature develops the students' ability to communicate in English within the professional field.

Training elements: •

Design and development of security solutions •

The attacker's working methods and tools

Course objectives

After completing the course with an approved result, the student must be able to:

Knowledge

- Methods for designing and developing security solutions in web development 2.
 Sources of security problems in system development and measures to deal with these security problems
- 3. The attacker's working methods and

tools 4. Privacy by design/built-in data protection - to take privacy protection rules into account when designing IT systems and routines to ensure that the requirements of the data protection regulation are met and that the individual's rights are protected

Skills 5.

Apply methods to design and develop security solutions in web development

Competences

6. Independently assess and evaluate different methods for designing and developing security solutions in web development

Forms of knowledge control



The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:

• Course objectives 1-6: written exam (IG/G/VG)

The course grade is based on a combination of all assessment documents.

Principles for grading The

student's performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and achieved all course objectives. The student must also be able to make well-founded and nuanced assessments regarding the application of the methods and tools included in this course.

Syllabus - LIA 1



Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 60 university of applied sciences credits

Decided by management team: 2022-06-03

Version: 1

Elective course: No

Language: The course is given in Swedish.

Prerequisites: Basic JavaScript programming; Web Framework for JavaScript;

Advanced web development with JavaScript, Frontend

development: Client

Content and purpose

In the first LIA period, the focus is on programming and using the languages and tools that have been taught in the training. The student also gets to develop business acumen and an understanding of what is required to be successful in the consulting role.

Training elements: •

Implementation of LIA period •

Independently reflect on and evaluate their work and achievements in relation to the goals of this LIA period and analyze, assess and develop their knowledge and skills.

Course objectives

After completing the course with an approved result, the student must be able to:

Knowledge

 The student must, during the LIA period, apply the knowledge from the the classroom-based courses. The student must also describe and explain The duties of the LIA period and relate the duties to the professional role.

Skills 2.

Apply the knowledge from the classroom-based courses 3. Reflect on and independently evaluate their work and their achievements in relation to the objectives of this LIA period

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4. Analyse, assess and develop their knowledge and skills

Forms of knowledge control

The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:



• Course objectives 1-2: The LIA supervisor's assessment of the student's efforts and learning during the LIA period (IG/G) •

Course objectives 1-4: assignment (IG/G/VG)

The course grade is based on a combination of all assessment documents.

Principles for grading The student's performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and achieved all course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding their own ability to apply the knowledge from the classroom-based courses.



Syllabus – LIA 2

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 50 university of applied sciences credits

Decided by management team: 2022-06-03

Version:

Elective course: No

Language: The course is given in Swedish.

Prerequisites: Basic JavaScript programming; Web framework for

JavaScript; Advanced web development with JavaScript,

Frontend development: Client, Web security - analysis and implementation

Content and purpose

In the second LIA period, the focus is on web security. The student also further develops his skills in programming and development of various applications and increases his understanding of the consultant role.

Training elements: •

Implementation of LIA period •

Independently reflect on and evaluate their work and achievements in relation to the goals of this LIA period and analyze, assess and develop their knowledge and skills.

Course objectives

After completing the course with an approved result, the student must be able to:

Knowledge

 The student must, during the LIA period, apply the knowledge from the the classroom-based courses. The student must also describe and explain The duties of the LIA period and relate the duties to the professional role.

Skills 2.

Apply the knowledge from the classroom-based courses 3. Reflect on and independently evaluate their work and their achievements in relation to the objectives of this LIA period

Skills

4. Analyse, assess and develop their knowledge and skills



Forms of knowledge control

The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:

• Course objectives 1-2: The LIA supervisor's assessment of the student's efforts and learning during the LIA period (IG/G) •

Course objectives 1-4: assignment (IG/G/VG)

The course grade is based on a combination of all assessment documents.

Principles for grading The

student's performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and achieved all course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding their own ability to apply the knowledge from the classroom-based courses.



Syllabus – Degree project

Training and round: Frontend developer specializing in web security, YH00806 - 2022 - 2

Scope of the course: 25 university of applied sciences credits

Decided by management team: 2022-06-03

Version:

Elective course: No

Language: The course is given in Swedish. Course literature in English may occur

Prerequisites: Basic JavaScript programming; Web framework for

JavaScript; Advanced web development with JavaScript,

Frontend Development: Client; Web security - analysis and implementation

Content and purpose

The degree project must deepen the student's knowledge, skills and abilities within the professional field. The student must plan and write a work in a suitable area with a clear connection to the professional role. In the degree project, the student's ability to investigate, analyze and summarize information is trained.

Course objectives

After completing the course with an approved result, the student must be able to:

Knowledge

1. Methods for systematically and independently searching for, reviewing, evaluating and interpreting information and knowledge in an area with a clear connection to the professional role 2. Methods for verbally and in writing presenting the results of an investigation

Skills 3. Use

methods to systematically and independently search, review, evaluate and interpret information and knowledge in an area with a clear connection to the professional role 4. Orally and in writing present the results of an investigation

Competences

5. Systematically and independently search, review, evaluate and interpret information and knowledge in an area with a clear connection to the professional role

Forms of knowledge control

The student's knowledge, skills and competencies are assessed based on the results of the following knowledge checks:

Course objectives 1-5: assignment - degree project (IG/G/VG)

The course grade is based on a combination of all assessment documents.



Principles for grading The

student's performance is graded after the completed course with the grades Not Passed (IG), Passed (G) or Well Passed (VG).

Not Passed (IG)

To receive the grade Not Passed (IG), the student must have completed the course without achieving all course objectives.

Passed (G)

To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.

Well Passed (VG)

In order to receive the grade Well Passed (VG), the student must have completed the course and achieved all course objectives. The student must also be able to make well-founded and nuanced reasoning that is relevant to the professional role and professional field.