

Web Programming

2 units (selection)

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Target This class provides the knowledge and skills necessary for efficiently developing Web applications in the Internet, and implementing the software of high quality.

Outline This class introduces Web programming frameworks and Web programming techniques systematically necessary for efficiently developing Web applications of high quality, and then explains the development of some Web application systems as practical examples to teach the development skills such as Web design patterns.

Style Lecture

Keyword *Java, Servlet, JSP, Web applications*

Fundamental Lecture “**Programming Methodology**”(1.0), “ソフトウェア工学”(1.0)

Relational Lecture “**System Administration**”(0.5)

Requirement Students are required to have a good understanding of undergraduate-level Java programming and related subjects.

Goal To understand the system configuration of Web applications that consists clients and a server, and design flexible Web application systems

Schedule

1. Web application
2. HTTP/Session
3. Database
4. JSP custom tags
5. Web services
6. Applets
7. JavaScript/AJAX
8. Flash/Flex
9. Web programming frameworks
10. BioPro
11. Internationalization
12. Web programming tips
13. Web programming design patterns
14. Introduction to NisWeb system
15. NisWeb system configuration

16. Assignment

Evaluation Criteria Assignments count 100%.

Textbook To be introduced in the class.

Reference To be introduced in the class.

Contents <http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=216560>

Student Able to be taken by only specified class(es)

Contact

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