

INTERNATIONAL UNIVERSITY OF JAPAN  
Graduate School of International Relations

Academic Year: 2013/2014

Term: Winter

Course	Course code DCC 5382	Course title Introduction to Electronic Government	
Name of Instructor	Hun Myoung Park		Credit Number: 2
Instructor's contact Information	Office# 328	Office Hours Thursday / 13:30-14:30	E-mail: kucc625@iuj.ac.jp
Class Schedule Day / Time	Thursday / 14:40-17:50		

Course Description: This Introduction to Electronic Government (e-government) discusses fundamental concepts and technological building blocks of information systems with a special focus on the public sectors. This course is required for PMPP-ISM students.

Learning Objectives: (1) to understand a big picture of e-government and e-government development models, (2) to learn technical building blocks of information systems including hardware, software and telecommunication (Internet), (3) to learn HTML/XHTML and Cascading Style Sheets (CSS), and understand Web standards, and (4) to learn relational databases, entity-relationship modeling, and structured query language (SQL).

Career Relevance: Public managers in charge of information systems have to understand both technical and social aspects of electronic government. This course provides essential technological building blocks of electronic government to those who will continue to study Public Management Information Systems and Public Information Policy and Management. Those courses will help IT public managers make and implement appropriate information and communication technology policies.

Course Context or Rationalization: This course is the first required course for information systems management (PMPP-ISM) students that provides background knowledge and skills for Public Management Information Systems (DCC 5383) and Public Information Policy and Management (DCC5281).

Delivery Methods: This course relies on lecture, lab, assignment, and group project.

Assessment: Midterm exam (20%), final exam (20%), assignment (including presentation) (35%), group project (10%), and class attendance (15%)

Prerequisite: There is no prerequisite for this course, but students are expected to have some basics of World Wide Web and information systems. This course is the prerequisite of *Public Management Information Systems* (DCC 5383) in the spring term and *Public Information Policy and Management* (DCC 5381) in the fall term.

Textbook(s)	Required: Stair, Ralph, and George Reynolds. 2012. <i>Information systems</i> . 10 <sup>th</sup> ed (International Edition). Course Technology & Cengage Learning. ISBN
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	<p>978-1111-532932.</p> <p>Reference books:</p> <p>Coronel, Carlos, Steven Morris, and Peter Rob. 2013. <i>Database principles: Fundamentals of design, implementation, and management</i>. 10<sup>th</sup> ed. Cengage Learning EMEA. ISBN 978-1133311973.</p> <p>Derfler, Frank, Jr., and Les Freed. 2005. <i>How networks work</i>, 7<sup>th</sup> ed. Indianapolis, IN: Que. ISBN 978-0789732323.</p> <p>Forouzan, Behrouz, and Firouz Mosharraf. 2008. <i>Foundations of computer science</i>, 2<sup>nd</sup> ed. Cengage Learning EMEA. ISBN 978-1844807000.</p> <p>Gourley, David, and Brian Totty. 2002. <i>HTTP: The definitive guide</i>. O'Reilly Media. ISBN 978-1565925090.</p> <p>Gralla, Preston. 2007. <i>How the Internet works</i>, 8<sup>th</sup> ed. Indianapolis, IN: Que. ISBN 978-0789736260.</p> <p>Hoffer, Jeffrey A., Ramesh Venkataraman, and Heikki Topi. 2010. <i>Modern database management</i>. 10<sup>th</sup> ed. Prentice Hall. ISBN 978-0136088394.</p> <p>Laudon, Kenneth C., and Jane P. Laudon. 2011. <i>Management information systems: Managing the digital firm</i>, 12<sup>th</sup> ed. Upper Saddle River, NJ: Pearson Education. ISBN 978-0273754596.</p> <p>Meyer, Erick A. 2007. <i>CSS: The definitive guide</i>, 3<sup>rd</sup> ed. O'Reilly Media. ISBN 978-0596527334.</p> <p>Morley, Deborah, and Charles S. Parker. 2012. <i>Understanding computers: Today and tomorrow</i>. 14<sup>th</sup> ed. South-Western College Publishing. ISBN 978-1133190011.</p> <p>Musciano, Chuck, and Bill Kennedy. 2007. <i>HTML &amp; XHTML: The definitive guide</i>, 6<sup>th</sup> ed. O'Reilly Media. ISBN 978-0596527327.</p> <p>Rocheleau, Bruce A. 2006. <i>Public management information systems</i>. Hershey, PA: Idea Group Publishing. ISBN-10: 1591408075.</p> <p>Souders, Steve. 2007. <i>High performance Web sites: Essential knowledge for front-end engineers</i>. O'Reilly Media. 978-0596529307.</p> <p>White, Ron. 2008. <i>How computers work</i>, 9<sup>th</sup> ed. Indianapolis, IN: Que. ISBN 978-0789736130.</p>
Class Outline	<ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Public information systems</li> <li>3. Electronic government</li> <li>4. Lab: Unix systems</li> <li>5. Internet and World Wide Web</li> <li>6. Lab: Hypertext Markup Language (HTML)</li> <li>7. Hardware of information systems</li> <li>8. Lab: Extensible HTML (XHTML)</li> <li>9. Software of information systems</li> </ol>

	<ul style="list-style-type: none"> <li>10. Lab: Cascading style sheets (CSS)</li> <li>11. Programming languages</li> <li>12. Web form</li> <li>13. Data structure and file system</li> <li>14. Database basics</li> <li>15. Relational databases 1</li> <li>16. Relational databases 2</li> <li>17. Entity-relationship modeling 1</li> <li>18. Entity-relationship modeling 2</li> <li>19. Structured query language (SQL) 1</li> <li>20. Structured query language (SQL) 2</li> </ul>
Others (if any)	<p>PMPP-ISM students may take Foundations of Web Technologies (ITC 5040) and Database Design and Management Strategies (ITC 6040) of the Graduate School of International Management (GSIM) as well.</p>