

INTERNATIONAL UNIVERSITY OF JAPAN
Graduate School of International Relations

Academic Year: 2016/2017

Term: Spring

Course	Course code DCC 5383	Course title Public Management Information Systems	
Name of Instructor	Hun Myoung Park		Credit Number: 2
Instructor's contact Information	Office# 311	Office Hours Friday / 13:30-14:30	E-mail: kucc625@iuj.ac.jp
Class Schedule Day / Time	Friday / 14:40-17:50		

Course Description: This course discusses system analysis and design, Web standards, and various management issues such as acquisition of hardware and software, financing, education and training, and evaluation. This course is required for PMPP-ISM students who will manage information systems in the public and nonprofit sectors.

Learning Objectives: (1) to understand design principles of public service applications, (2) to learn Web standards and accessibility and then assess the Web accessibility of an e-government application, (3) to understand such management issues as acquisition of hardware and software, financing, education and training, and evaluation, and (4) to develop a simple online public service application.

Career Relevance: Public managers in charge of information systems have to understand system development (system analysis and design) and various management issues. A group project of developing an online public service application will provide practical knowledge and skills to future public managers and help them make right decisions about public information systems.

Course Context or Rationalization: This course is the second required course for information systems management (PMPP-ISM) students and provides background knowledge and skills for Public Information Policy and Management (DCC5281), which addresses the political and social issues associated with government information systems.

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

Assessment: Midterm exam (15%), final exam (15%), quiz (15%), homework assignment (30%), group project (15%), and class attendance (10%)

Prerequisite: Students are expected to take *Introduction to Electronic Government* (DCC5382) of GSIR, or *Foundations of Web Technologies* (ITC 5040) and *Database Design and Management Strategies* (ITC 6040) of the Graduate School of International Management (GSIM). This course is a prerequisite of *Public Information Policy and Management* (DCC 5381) in the fall term.

Textbook(s)	Required: Stair, Ralph, and George Reynolds. 2016. <i>Principles of Information Systems</i> . 12 th ed. Course Technology & Cengage Learning. ISBN 978-1285867168.
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Reference books:

- Aspray William, ed. 2004. *Chasing Moore's Law: Information technology policy in the Unites States*. Raleigh, NC: Scitech Publishing. ISBN-10: 1891121332.
- Bellamy, Christine, and John A. Taylor. 1998. *Governing in the information age*. Philadelphia, PA: Open University Press. ISBN 978-0335194506.
- Brown, Mary, G. David Garson. 2013. *Public information management and e-government: Policy and issues*. IGI Global. ISBN 978-1466630031.
- Chang, Ha-joon. 2007. *Bad Samaritans: The myth of free trade and the secret history of Capitalism*. Bloomsbury Pres. ISBN: 978-1596915985.
- Chen, Hsinchun, Lawrence Brandt, Valerie Gregg, Roland Traunmuller, Sharon Dawes, Eduard Hovy, Ann Macintosh, and Catherine A. Larson, eds. 2008. *Digital government: E-government research, case studies and implementation*. New York: Springer. ISBN-10: 0387716106.
- Coronel, Carlos, Steven Morris, and Peter Rob. 2013. *Database principles: Fundamentals of design, implementation, and management*. 10th ed. Cengage Learning EMEA. ISBN 978-1133311973.
- DuBois, Paul. 2007. *MySQL cookbook*. 2nd ed. Sebastopol, CA: O'Reilly. ISBN: 978-0596527082.
- Harper, Simon, and Yeliz Yesilada, eds. 2010. *Web accessibility: A foundation for research*. Springer-Verlag London. ISBN: 978-1848000490.
- Hoffer, Jeffrey A., Joey George, and Joe Valacich. 2013. *Modern systems analysis and design*, 7th ed. Pearson Education. ISBN: 978-0132991308.
- Molinaro, Anthony. 2005. *SQL cookbook*, 1st ed. Sebastopol, CA: O'Reilly. ISBN: 978-0596009762.
- Norris, Donald F. 2008. *E-government research: Policy and management*. Hershey: IGI Publishing. ISBN 978-1599049137.
- Reddick, Christopher G., ed. 2012. *Cases on public information management and e-government adoption*. Hershey, PA: Information Science Reference. ISBN 978-1466609822.
- Rocheleau, Bruce A. 2006. *Public management information systems*. Hershey, PA: Idea Group Publishing. ISBN-10: 1591408075.
- Scholl, Hans J., ed. 2014. *E-Government: Information, technology, and transformation*. Routledge. ISBN 978-0765619891.
- Shea, Christopher M., and G. David Garson. eds. 2010. *Handbook of public information systems*. Boca Raton, FL: CRC Press. ISBN-10: 1439807566.
- Stair, Ralph, and George Reynolds. 2012. *Information systems*. 10th ed (International Edition). Course Technology & Cengage Learning. ISBN 978-1111-532932.
- Thatcher, Jim, Michael R. Burks, Christian Heilmann, Shawn Lawton Henry, Andrew Kirkpatrick, Patrick H. Lauke, Bruce Lawson, Bob Regan, Richard Rutter, Mark Urban, and Cynthia D. Waddell, eds. 2006. *Web accessibility: Web*

	<p><i>standards and regulatory compliance</i>. Berkeley, CA: Friends of. ISBN: 1590596382.</p> <p>Weerakkody, Vishanth, and Christopher G. Reddick, eds. 2012. <i>Public sector transformation through e-government: Experiences from Europe and North America</i>. Routledge. ISBN: 978-0415527378.</p> <p>White, Jay D. 2007. <i>Managing information in the public sector</i>. Routledge. ISBN 978-0765617491.</p>
Class Outline	<ol style="list-style-type: none"> 1. Introduction 2. Lab: Advanced SQL 3. System analysis and design 1 4. Lab: PHP 5. System analysis and design 2 6. Lab: Web programming basics 7. Developing public information and services 8. Lab: Web programming practice 9. Web standards and accessibility 10. Lab: Web accessibility 11. Acquiring hardware & software 1 12. Acquiring hardware & software 2 13. Financing public information systems 1 14. Financing public information systems 1 15. Education and training 1 16. Education and training 2 17. Implementing public information systems 18. Maintaining public information systems 19. Evaluating public information systems 20. Students' presentation
Others (if any)	