

System Analysis and Design: Course Structure & Weekly Reading List

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**Tutorial:
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**Lecture 1:
ARIS – An introduction to the modelling of corporate processes**

April 14th, 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List, Lecture 1:

- August-Wilhelm Scheer, Wolfram Jost: ARIS in der Praxis. Springer, Berlin 2002

**Lecture 2:
Why IT is so important: How virtual organizing changes the business world**

April, 21st 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List, Lecture 2

- The Economist Intelligence Unit, „Great expectations - The changing role of IT in the business“, 2006
- Venkatraman, N., and J. C. Henderson. "Real Strategies for Virtual Organizing." SMR (Fall 1998): 33-48. Reprint 4013
- “How about now?”, The Economist, Jan 31st, 2002

Lecture 3: System Development Life Cycle (SDLC)

April 28th, 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List, Lecture 3

- Hoffer, J., George, J., Valacich, J., „Modern Systems Analysis and Design“, 3rd edition, Prentice Hal, 2002, pp. 6-39, 83-105, 202-229
- Howard, A., “Rapid Application Development: Rough and Dirty or Value-for-Money Engineering?”, CACM, October 2002, Vol. 45, No.1

Lecture 4: Strategic System Planning

May, 5th 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List, Lecture 4

- Broadbent, M., and P. Weill. "Management by Maxim: How Business and IT Managers can Create Infrastructures." Sloan Management Review (Spring 1997): 77-92
- Ross, J. W., and P. Weill. "Six IT Decisions Your IT People Shouldn't Make." HBR (Nov. 2002): 84-01
- Perks, C., Beveridge, T., “Guide to Enterprise IT Architecture”, Springer Professional Computing, New York, 2003, pp.12-20 and 53 – 60

Lecture 5: IT Governance & ITIL

May 19th, 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List, Lecture 5

- Meyer et al., “IT Governance – Begriff, Status quo und Bedeutung”, Wirtschaftsinformatik, vol 45, nr. 4, 2003, 445-448
- Kashanchi, R., Toland, J., “Can ITIL Contribute to IT/Business Alignment?”, WIRTSCHAFTSINFORMATIK, Vol. 48, No. 5, 2006, 340-348 [[pdf](#)]
- Weill, P., and R. Woodham, "Don't Just Lead, Govern: Implementing Effective IT Governance", MIT CISR WP #326, Apr. 2002
- Peter Weill and Jeanne W. Ross, "10 Principles of IT Governance", http://hbswk.hbs.edu/tools/print_item.jhtml?id=4241&t=strategy
- ITIL - The Key to Managing IT services; Office of Government Commerce; pp. 27-57

Lecture 6: Industry Guest Lecture

May 26th, 2008 (18:00 - 20:00, room 21A, SPA 1)

Lecture 7: Project Planning and Feasibility Analysis

June 2nd, 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List, Lecture 7

- Hoffer, J., George, J., Valacich, J., "Modern Systems Analysis and Design", 3rd edition, Prentice Hal, 2002 , 163-181
- Lederer, A., Prasad, J., "Nine Management Guidelines for Better Cost Estimating", Communications of the ACM, Vol 35, No.2, Feb. 1992

Lecture 8: RFID and IT-Enabled Supply Chains

June 9th, 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List, Lecture 8

- Singh, N., Lai, K.-L., Cheng, T.C.E., "Intra-Organizational Perspectives on IT-Enabled Supply Chains", Communications of the ACM, Vol.50, No.1, pp. 59-65
- Bose, I., Pal, R., "Auto-ID: Managing Anything, Anywhere, Anytime in the Supply Chain", Communications of the ACM, August 2005, Vol.48, No.8, pp.100-106
- Thiesse, F., Gross, S., "Integration von RFID in die betriebliche IT-Landschaft", WIRTSCHAFTSINFORMATIK, Vol. 48, No. 3, 2006, pp. 178-187

Lecture 9: Enterprise IT Architecture Modelling; Web Services & SOA

June 16th, 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List, Lecture 9

- Hagel III, J., Brown, S., "Your Next IT Strategy", Harvard Business Review, October 2001, pp. 105-113
- Fan, J., Kambhampati, S., "A Snapshot of Public Web Services", SIGMOD Record, Vol. 34, No. 1, March 2005
- Siedersleben, J., "SOA revisited: Komponentenorientierung bei Systemlandschaften", WIRTSCHAFTSINFORMATIK, Vo.l 49, Sonderheft, 2007-04-01
- Perks, C., Beveridge, T., "Guide to Enterprise IT Architecture", Springer Professional Computing, New York, 2003, pp.81-89, 136-151

Lecture 10: Enterprise Portals & Knowledge Management Systems

June 23rd, 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List, Lecture 10

- Alavi, M., Leidner, D., “Review: Knowledge Management And Knowledge Management Systems: Conceptual Foundations And Research Issues”, MIS Quarterly, Vol. 25, No. 1, March 2001, pp. 107-136
- Tim O’Reilly, “O’Reilly: What Is Web 2.0 – Design Patterns and Business Models for the Next Generation of Software”, September 2005

Lecture 11: Human Centred Systems Development Life Cycle

June 30th, 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List, Lecture 11

- Te’eni, D., Carey, J., Zhang, P., “Human Computer Interaction – Developing Effective Organizational Information Systems”, John Wiley & Sons, Hoboken NJ, 2007

Lecture 12: Enterprise Resource Planning Systems (ERP) - Part I

July 7th, 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List, Lecture 12

- Daniel O’Leary, "Enterprise Resource Planning Systems", Cambridge University Press, 2000
- Davenport, T.H., “Putting the Enterprise into the Enterprise System”, Harvard Business Review, July-August 1998, pp. 121-131
- L. Markus et al., "Multisite ERP Implementations", CACM, April 2000
- J. Lee et al., "Enterprise Integration with ERP and EAI", Communicatons of the ACM, Vol. 46, No. 2, 2003, pp. 54-60
- Beatty, R., Williams, C., “ERP II: Best Practices for successfully implementing an ERP Upgrade”, Communicatons of the ACM, Vol. 49, No. 3, 2006, pp. 105-109

Lecture 13: Enterprise Resource Planning Systems (ERP) - Part II

July 14th, 2008 (18:00 - 20:00, room 21A, SPA 1)

Reading List: same as Lecture 12