IS 203	Wirtschaftsinformatik III: Development and Management of Information Systems *Business Informatics III:* *Development and Management of Information Systems*
Form der Veranstaltung	Vorlesung
Typ der Veranstaltung	Pflichtveranstaltung Wirtschaftsinformatik
Modulniveau	Bachelor
ECTS	6
Arbeitsaufwand	Präsenzstudium: 28 h pro Semester (2 SWS)
	Eigenstudium: ca. 122 h pro Semester
Vorausgesetzte Kenntnisse	keine
Lehrinhalte	During the last decades we witnessed a growing importance of Information Systems (IS) in the business world along with faster and faster innovation cycles. A case in point is the growing IS-related expenditure of corporations, forecasted to total EUR 2.63 trillion in 2012 – a 4.7% growth over 2011 (Gartner 2013). Ranging from the enrichment of routine working tasks (i.e., employee portals to integrate disparate applications, data, and processes (Daniel and White 2005)) to the e-enabled integration of entire business eco-systems (e.g., platform-based integration of supply chains (e.g., Kroenke 2010)), IS have become a vital backbone of businesses. Consequently, the ability to use IS in a way supporting the overall value proposition of a corporation has become a central success determinant for many firms. Accordingly, the "Development and Management of Information Systems" course is designed to introduce students to the nature, role, and potentials of IS in corporations and enable them to serve as a meaningful interface between technology and business. Once filling this role in a business context, the future IS professionals are likely to be facing two major trends: the increasing industrialization of IS (Brenner et al. 2007; Daberkow and Radtke 2008; Walter et al. 2007) and a shift towards service-orientation in IT organizations and processes (Hochstein et al. 2005; Roewekamp 2007). This brings about challenges such as, among others, managing the trade-off between efficient execution and ef-

	fective offering or recognizing and mitigating conflicting expectations and goals among the many entities (i.e., software producers, consultants, corporate users, customers) and roles (i.e., business professionals, technical staff, corporate management) involved in an IS.
Lern- und Kompetenzziele	In order to be able to deal with these challenges, the "Development and Management of Information Systems" course is designed to introduce students to the various stages of the life cycle of an IS. Starting with the initial idea and conception of a system, the course will cover the process from development to introduction and, finally, application and value creation. In doing so, students will get to know the various entities and roles involved in IS development and management. The primary objective of the course is to enable students to play a vital role at the intersection of technical and business issue, being able to bridge the gap between a company's end users and IT experts. In doing so, they shall understand that IS transcend mere technological artifacts but constitute complex socio-technical phenomena. To support students in their learning, the course will offer a basic introduction to the IS phenomenon, system types, and roles involved in development, introduction, management, and use of IS. Subsequently, each of these phases will be looked at in greater detail. For each phase, both the processes as well as at the contents of each domain will be introduced and discussed. Beyond the presentation of basic concepts, methods, and theories, the course will also provide students with opportunities to extend and practice their theoretical knowledge with interactive elements, an industry speaker, and a case study.
Begleitende Literatur	• Brenner, W., Ebert, N., Hochstein, A., and Übernickel, F. 2007. "IT-Industrialisierung: Was ist das?," in: Computerwoche (Iss. 15). Munich, Germany: IDG Business Media, p. 5. • Daberkow, M., and Radtke, I. 2008. "Der Zahlungsverkehr der Postbank Als Beispiel Für die Industrialisierung Im Finanzdienstleistungssektor," in: Outsourcing in Banken, B. Kaib (ed.). Wiesbaden, Germany: Gabler, pp. 51-67. • Daniel, E.M., and White, A. 2005. "The Future of Inter-Organisational System Linkages: Findings of an International Delphi Study," European Journal of Information Systems (14:2), p. 188. • Gartner. 2011. "Gartner says Worldwide IT Spending to Grow 5.1 Percent in 2011." Retrieved August 03, 2011, from http://www.gartner.com/it/page.jsp?id=1513614.