

Teaching

Introduction to Information Systems

Hardware basics, computer networks and architectures, protocols, software basics, spreadsheet analysis, business process modelling, data modelling, relational database, SQL, application system development, data privacy, data security, internet basics, programming.

IT Controlling

Through its practical problems and its character as a case study seminar this course has a particularly high relation to real enterprise projects.

IT Audit

Fundamental IT-Audit concepts are presented. Furthermore, students are introduced to SAP and complete SAP case studies. Additionally, ActiveData is introduced and the topic "Fraud Detection & Prevention" is discussed on the basis of case studies. Theory and practice are complemented by practitioner lectures.

IS Project

Working on a use case from the information systems practice by making use of already acquired methods and concepts. The projects are usually worked on in teams and include project planning, design, implementation and documentation.

Accounting and Information Systems

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Areas of Interest

- Sustainable Supply Chain Management
- Open Innovation
- Cloud Computing / IT-Security
- Green IT

Funded Projects

The project **Dorfgemeinschaft 2.0** develops and implements a health-related care concept for the region "Grafschaft Bentheim / Südliches Emsland". Four building blocks are planned: a digital village shop that offers products for everyday needs; ICT-supported furnishing of demand-oriented mobility concepts for the village community; "digitalized care", a multi-professional, technology-oriented concept for home care and "mobile health care", which establishes outreach tele medical health care. The basis is the "Virtual Village Marketplace", where the services can be brought together and used by all. As part of this project, the UWI is leading the development of the virtual village marketplace and the digital village shop.

<http://www.dorfgemeinschaft20.de/>

Information and communication technology (ICT) affects all aspects of our "digital society" but also causes negative ecological, social and economic impacts, requiring scholars to contribute to a more sustainable consumption of ICT. The research project "Sustainable consumption of information and communication technologies in the digital society - dialogue and transformation through open innovation" (**eCoInnovateIT**) aims to integrate various stakeholders (companies, consumers, politicians) in the development of sustainable products, services, business models and legal frameworks. Funded by the Volkswagen Foundation and the Ministry for Science and Culture of Lower Saxony it integrates scholars of various disciplines at the universities Osnabrueck, Lueneburg and Oldenburg.

<http://ecoinnovateit.de/en/>

