Fundamentals of BIS – Learning Resources

OLAT:

Next to the material provided online on the web you will find all supplementary texts, material, etc. in OLAT.

Textbook:

Throughout the course we will use the following textbook:

Rainer, R. Kelly, and Brad Prince. Introduction to Information Systems: Supporting and Transforming Business. Seventh edition (or newer), EMEA edition, 2018.

Note: You may also use an older edition, but please make sure that you use at least the **5th edition**. While there are some differences with regard to the examples and mini case provided, the fundamental material hasn't changed much. The following chapters of the book are particularly relevant:

[Chapter 1] Introduction to Information Systems

[Chapter 2] Organizational Strategy, Competitive Advantage, and Information Systems

[Chapter 5] Data and Knowledge Management

[Chapter 7] E-Business and E-Commerce

[Chapter 10] Information Systems Within the Organization

[Chapter 12] Business Analytics

[Chapter 13] Acquiring Information Systems and Applications

[Technology Guide 3] Cloud Computing

Slides:

We will also provide a set of slides, which accompany the textbook. These slides might at times extend the material provided in the textbook, but is by no means meant to be the sole learning resource! Instead, it is recommended to **use the textbook as primary source and use the slides as supplementary material as well as use other materials from the web**. Indeed, as part of a university degree, it is assumed that you will study the subject using multiple sources and will base your understanding on as wide a reading base as possible.

Case studies:

In each chapter of the textbook you will find a number of illustrative (mini) case studies. They all come with some sample questions. It is highly recommended to work through these questions. In addition, we will discuss typical IS issues using the following **case study in class**:

Perdana, A., & Mokhtar, I. A. (2025). Digital transformation in government: Lessons from GovTech Singapore. Journal of Information Technology Teaching Cases, 0(0).
https://journals.sagepub.com/doi/full/10.1177/20438869251362871

Exam:

The exam will be held via OLAT and is 'closed book' (no reference materials, only your knowledge) and is based on a case study provided in advance. The questions will primarily focus on comprehension, interpretation, and the application of knowledge.