Courses offered in English – Winter Semester 2014/2015

Applied Computer Science

The following modules are offered in English by default or on demand. Note that there are also other modules available which are delivered in German but where the exam can be taken in English. More information can be found in the module handbook http://www.uni-bamberg.de/fileadmin/uni/verwaltung/auslandsamt/dateien/Infopaket_Bamberg/WIAI-Module-2014-2015.pdf. Contact details can also be found via http://univis.uni-bamberg.de

Next Generation Networking (KTR-Sem-M)
Graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Prerequisites: Data communication
Professor: Dr. Udo Krieger

Project in Computer Networking (KTR-Proj)
Graduate tutorial and lab project, 4 hrs per week, 6 ECTS, winter semester
Prerequisites: Data communication, JAVA or C++ network programming and additional knowledge about IP networking according to the actual announcement
Professor: Dr. Udo Krieger

Modeling and Analysis of Communication Networks and Distributed Systems (KTR-MAKV-M)
Graduate lecture, tutorial and lab project, 4 hrs per week, 6 ECTS, winter semester
Prerequisites: Discrete foundations, programming course
Professor: Dr. Udo Krieger

Software Engineering for Information Systems (SWT-SEI-B)
Undergraduate lecture and tutorial, 4 hrs per week, 6 ECTS, winter semester
Prerequisites: Basic knowledge in Computer Science, as well as knowledge in Java programming and in algorithms and data structures.
Professor: Dr. Gerald Lüttgen

Principles of Compiler Construction (SWT-PCC-M)
Graduate lecture and tutorial (suitable for graduate students as well as undergrads in their final year), 4 hrs per week, 6 ECTS, winter semester
Prerequisites: Basic knowledge in the theoretical foundations of Computer Science (especially in language theory and automata theory) and in algorithms and data structures.
Professor: Dr. Gerald Lüttgen

Research Projects in Foundations of Computer Science
Graduate seminar, 2 hrs per week, 6/9 ECTS, winter and sommer semester
Software Engineering Lab (SWT-SWL-B)
Undergraduate lab project, 4 hrs per week, 6 ECTS, winter semester
Prerequisites: Basic knowledge in Computer Science and Software Engineering, as well as knowledge in Java programming and programming in the small.
Professor: Dr. Gerald Lüttgen

Imperative Programming Using C (SWT-IPC-B)
Undergraduate tutorial, 2 hrs per week, 3 ECTS, winter semester
Prerequisites: Basic knowledge in programming and in algorithms and data structures. Additionally, elementary knowledge in computer architectures and operating systems is desirable.
Professor: Dr. Gerald Lüttgen

Foundations of Software Analysis (SWT-FSA-B)
Undergraduate lecture and tutorial, 4 hrs per week, 6 ECTS, winter semester
Prerequisites: Basic knowledge in discrete mathematics and logics, such as acquired in the module “Mathematik für Informatiker I (Aussagen und Prädikatenlogik)” (GdI-MfI-1).
Professor: Dr. Gerald Lüttgen

SWT Bachelor Project Software Systems Science (SWT-PR2-B)
Undergraduate tutorial, 4 hrs per week, 12 ECTS, summer semester
Prerequisites: Basic methodological knowledge in the planning and conduct of software projects and in scientific methods, e.g., as acquired in the modules “Software Engineering Lab” (SWT-SWL-B) and “Wissenschaftliches Arbeiten in der Informatik” (IAI-WAI-B), respectively.
Note: This course begins in the winter semester and lasts for the duration of the summer semester.

Master Project Software Engineering and Programming Languages (SWT-PR1-M)
Graduate practical, 4 hrs per week, 6 ECTS, summer semester
Prerequisites: Basic knowledge in software engineering and programming languages, knowledge in subject matter of the topic.
Professor: Dr. Gerald Lüttgen

Propositional and Predicate Logic (GdI-MfI-1)
Undergraduate lecture, tutorial, practice lab, 4 hrs per week, 6 ECTS, winter semester
Professor: Prof. Dr. Ute Schmid

Theory Seminar
Graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Professor: Dr. Michael Mendler

Semantic Information Processing (KInf-SemInf-M)
Graduate lecture and laboratories, 4 hrs per week, 6 ECTS, winter semester
Prerequisites: Algorithms and data structures, Machines and Languages
Professor: Dr. Christoph Schlieder

Distributed Systems Architecture and Middleware
Graduate seminar, 2 hrs per week, 6 ECTS, winter semester
Professor: Dr. Andreas Schönberger

Ubiquitous Systems (HCI-US)
Seminar, 2 hrs per week, 6 ECTS, winter seminar
Professor: Prof. Dr. Tom Gross
Lab Project Cognitive Systems (KogSys-Proj-B, KogSys-Prak-M)
Undergraduate/graduate seminar and programming lab, 4 hrs per week, 6 ECTS, summer semester
Professor: Dr. Ute Schmid

Undergraduate/graduate seminar, 2 hrs per week, 3 ECTS, summer semester
Professor: Dr. Ute Schmid

Information Systems and Services II – Optimization of IT-Reliant Processes (ISDL-ISS-2-M)
Graduate lecture and tutorial, 4 hrs per week, 6 ECTS, winter semester
Professor: Dr. Tim Weitzel

Applied Software Verification (SWT-ASV-M)
Graduate seminar, 2 hrs per week, 6 ECTS, winter semester

SOA Governance and Evaluation (ISDL-SOA)
Lecture and tutorial, 2 hrs per week, 3 ECTS, winter semester
Professor: Dr. Jochen Malinowski

Selected Readings in Distributed Systems (DSG-SRDS-M)
Graduate lecture and seminar, 2 hrs per week, 3 ECTS, winter semester
Prerequisites: A basic understanding of distributed systems as it is offered, e.g., by the course Introduction to Distributed Systems (DSG-EiDistrSys-B) (basic studies), as well as a deeper insight in middleware or SOA issues as offered, e.g., by one of the courses DSG-SOA-M/DSG-DSAM-M or comparable knowledge from similar courses or private studies (concrete prerequisite depends on special topic of each selected reading course; if you are in doubt, please contact the lecturer)
Professor: Dr. Guido Wirtz

Distributed Software Project (DSG-Project-M)
Graduate guided project, 6hrs per week, 9 ECTS, August – October
Prerequisites: A basic understanding of distributed systems as it is offered, e.g., by the course Introduction to Distributed Systems (DSG-EiDistrSys) (basic studies), as well as a deeper insight in middleware or SOA issues as offered, e.g., by one of the courses DSG-SOA-M/DSG-DSAM-M or comparable knowledge from similar courses or private studies (concrete prerequisite depends on special topic of each selected reading course; if you are in doubt, please contact the lecturer)
Professor: Dr. Guido Wirtz

Project Human-Computer Interaction (HCI-Proj-B)
Undergraduate project, 4 hrs per week, 6 ECTS, winter semester
Prerequisites: Algorithms and Data Structures (MI-AuD-B) and Interactive Systems (HCI-IS-B)
Professor: Dr. Tom Gross

Project Usability in Practice (HCI-Usab)
Undergraduate project, 4 hrs per week, 6 ECTS, winter semester
Prerequisites: Interactive Systems (HCI-IS-B)
Professor: Dr. Tom Gross

SWT Master Project Software Systems Science
Graduate seminar, 2 hrs per week, 9 ECTS, winter and sommer semesters
Professor: Prof. Dr. Gerald Lüttgen

Nonprocedural Programming (GdI-NPP-B)
Undergraduate seminar, 2 hrs per week, 6 ECTS, winter semester
Professor: Prof. Michael Mendler, Ph.D.
**Master-Seminar Human-Computer Interaction (HCI-Sem-M)**
Graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Professor: Dr. Tom Gross

**Project Usability in Practice (HCI-Usab)**
Graduate project, 4 hrs per week, 6 ECTS, winter semester
Prerequisites: Interactive Systems (HCI-IS-B)
Professor: Dr. Tom Gross

**Seminar Industrial Information Systems**
Graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Professor: Dr. Sven Overhage

**Energy Informatics Research Questions (EESYS-SEM-FEI-B)**
Undergraduate seminar, 2 hrs per week, 3 ECTS, winter semester
Professor: Dr. Thorsten Staake

**Ubiquitous Systems (HCI-US)**
Seminar, 2 hrs per week, 6 ECTS, winter semester
Professor: Prof. Dr. Tom Gross

**Energy Informatics Research Questions (EESYS-SEM-FEI-M)**
Graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Professor: Dr. Thorsten Staake

**Data Communication (KTR-Datkomm-B)**
Undergraduate seminar, 2 hrs per week, 6 ECTS, winter semester
Professor: Prof. Dr. Udo Krieger

**Bachelor Project Mobile Systems – Smart City Applications**
Undergraduate seminar, 2 hrs per week, 3 ECTS, winter semester
Professor: Dr. Daniela Nicklas

**Interactive Systems (HCI-IS-B)**
Undergraduate seminar, 2 hrs per week, 6 ECTS, winter semester
Professor: Dr. Daniela Nicklas

**Data Streams and Complex Event Processing**
Undergraduate lectures, 2 hrs per week, 3 ECTS, winter semester
Professor: Dr. Daniela Nicklas

**Master Project Mobile Systems – Mobile Situation Recognition**
Graduate seminar and programming lab, 2 hrs per week, 3 ECTS, winter semester
Professor: Dr. Daniela Nicklas

**Fundamentals of Internet Communication (KTR-GIK-M)**
Graduate seminar, 2 hrs per week, 6 ECTS, winter and summer semesters
Professor:

**Colloquium Mobile Software Systems / Mobility**
Graduate colloquium, 2 hrs per week, 3 ECTS, winter semester
Professor: Dr. Daniela Nicklas

**SNA Seminar**
Seminar, 2 hrs per week, 3 ECTS, winter and summer semesters
Economics and Business Administration

Some courses taught in English are on the graduate level. However, foreign undergrads can be admitted to these classes if they have the necessary prerequisites in the relevant field. Undergraduate students are thus advised to contact the professors beforehand to discuss whether or not they can participate. Contact details can be found via [http://univis.uni-bamberg.de](http://univis.uni-bamberg.de)

Cases in Corporate Finance
Undergraduate seminar, 2 hrs per week, 6 ECTS, winter semester
Professor: Dr. Matthias Muck and Michael Herold

Practical Aspects of Institutional Portfolio Management
Undergraduate seminar, 2 hrs per week, 6 ECTS, winter semester
Instructor: Thomas Ross

Advanced Microeconomics
Graduate lecture with tutorial, 4 hrs per week, 6 ECTS, winter semester
Professor: Florian Herold

Evolution, Learning and Behavior
Graduate lecture with tutorial, 4 hrs per week, 6 ECTS, winter semester
Professor: Florian Herold

Customer Management
Undergraduate seminar, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Björn Ivens

Price Management
Graduate seminar, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Björn Ivens

Business-to-Business Marketing and Purchasing
Graduate seminar, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Björn Ivens

Knowledge Management in Marketing and Sales
Graduate Seminar, 3 hrs per week, 6 ECTS, winter semester
Professors: Dr. Stephan Henneberg and Dr. Jani Swuart

Introduction to Marketing Intelligence
Undergraduate lecture and tutorial, 3 hrs per week, 6 ECTS, winter semester
Prerequisites: Statistics
Professor: Dr. Alexander Leischnig

Global Marketing
Undergraduate seminar, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Alexander Leischnig
Implementation and Diffusion of Innovations
Graduate seminar, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Alexander Fliaster

International Innovation Strategies
Graduate seminar, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Alexander Fliaster

Innovation and Collaboration
Graduate seminar, 3 hrs per week, 6 ECTS, winter semester
(Cases, videos and multimedia-based simulation in English; course optionally in English or German)
Professor: Dr. Alexander Fliaster

Human Resource Development
Graduate seminar and exercise, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Maike Andresen, Dr. Dr. Christian Lindner

Organisational Behaviour (all learning materials in English; course optionally in English or German)
Undergraduate seminar, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Maike Andresen

Advanced Macroeconomics
Graduate lecture and tutorial, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Mishael Milakovic

International Macroeconomics II
Graduate lecture and tutorial, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Ilfan Oh

Systemic Risk, Regulation and Stability I
Graduate lecture and tutorial, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Mishael Milakovic

The Economic Nature of the Firm I
Undergraduate seminar and tutorial, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Ilfan Oh

Theory and Politics of European Economic Integration
Undergraduate lecture, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Herbert Brücker

Personality Psychology and Economics
Graduate seminar, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Guido Heineck
Microeconomics of Education
Graduate lecture and exercise, 3 hrs per week, 6 ECTS, winter semester
Professor: Dr. Ben Kriechel

Business English

Business English I: The Business Environment
Undergraduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructors: Various English Native Speakers

Business English III: Management and Leadership Functions
Undergraduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructors: Various English Native Speakers

Business English V: International Management
Graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructors: Various English Native Speakers

Business English VII: Business Law UK/US/EU
Graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructors: Various English Native Speakers

Political Science

Introduction to International and European Politics
Undergraduate seminar, 2 hrs per week, 5/6 ECTS, winter semester
Instructor: Johanna Gehring

Foreign Policy and Security Studies in International Relations
Undergraduate seminar-based course, 2 hrs per week, 6 ECTS, winter semester
Prerequisites: Participants must have considerable knowledge of IR. Admission only upon acceptance from the instructor.
Instructor: Kevin Urbanski

International Institutions
Undergraduate seminar-based course, 2 hrs per week, 6 ECTS, winter semester
Prerequisites: Participants must have considerable knowledge of IR. Admission only upon acceptance from the instructor.
Instructor: Julia Dinkel

External Relations of the European Union
Graduate seminar, 2 hrs per week, 8 ECTS, winter semester
Prerequisites: Extended knowledge of the European Union and integration theories. Admission only upon acceptance from the instructor.
Professor: Dr. Thomas Gehring
The Role of International Organizations in World Politics
Graduate seminar, 2 hrs per week, 8 ECTS, winter semester
Prerequisites: Participants must have extended knowledge of IR. Admission only upon acceptance from the instructor.
Instructor: Monika Heupel

Research Design in Social Science
Graduate and postgraduate seminar-based course, 2 hrs per week, 8 ECTS, winter semester
Prerequisites: Extended background in Political Science. Admission only upon acceptance from the instructor.
Professor: Dr. Heike Klüver

Coalition Governments: Formation, Governance and Survival
Graduate seminar-based course, 2 hrs per week, 8 ECTS, winter semester
Prerequisites: Extended background in Political Science. Admission only upon acceptance by the instructor.
Professor: Dr. Heike Klüver

The Structure of Conflict in European Politics
Undergraduate seminar-based course, 2 hrs per week, 6 ECTS, winter semester
Instructor: Martin Wirtz

Politics and Society in Contemporary Iran
Undergraduate seminar-based course for graduate students, 2 hrs per week, 6 ECTS, winter semester
Instructors: Prof. Dr. Thomas Saalfeld and Vahid Zolfaghari

European Integration
Undergraduate seminar, 2 hrs per week, 6 ECTS, winter semester
Professor: Dr. Ariadna Ripoll-Servent

Internal Security Policies
Graduate seminar, 2 hrs per week, 6 ECTS, winter semester
Professor: Dr. Ariadna Ripoll-Servent

Qualitative Methods of Comparative Social Inquiry
Graduate seminar, 2 hrs per week, 6 ECTS, winter semester
Professor: Dr. Ariadna Ripoll-Servent

Psychology

Pain: Psychology and Physiology
Undergraduate seminar, 2 hrs per week, 3 ECTS, winter semester
Professor: Dr. Stefan Lautenbacher
Research Seminar on Educational and Developmental Research
Graduate and Postgraduate seminar, 2 hrs per week, winter semester
Prerequisites: Please consult the instructors beforehand about gaining permission to register for the course.
Instructors: Prof. Dr. Sabine Weinert, Prof. Dr. Cordula Artelt

Introduction to Scientific Programming with MATLAB for Social Scientists
Undergraduate and graduate course, 2 hrs per week, 3 ECTS, winter semester
Instructor: André Kovac

Understanding Probabilities – Chance, Rationality and Behavioral Economics
Undergraduate and graduate course, 2 hrs per week, 3 ECTS, winter semester
Prerequisites: Basic school knowledge of probability and statistics might be helpful, although it will be reviewed during the course.
Instructor: André Kovac

Relationship Quality Assessment
Graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructor: Gal Slonim

An Introduction to Political Psychology
Undergraduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructor: Dr. Oliver Lauenstein

Understanding the Psychology of International Conflict
Graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructor: Dr. Oliver Lauenstein

General Linguistics

An Introduction to Linguistics
Lecture, 2 hrs per week, 2 ECTS, winter semester
Professor: Dr. Geoffrey Haig

Language and Society: An Introduction to Sociolinguistics
Lecture, 2 hrs per week, 2 ECTS, winter semester
Professor: Dr. Diana Forker

An Introduction to Linguistics
Undergraduate tutorial, 2 hrs per week, 6 ECTS, winter semester
Professor: Dr. Geoffrey Haig
Prerequisite: Students must attend or have already attended the lecture Introduction to Linguistics, or have had equivalent training elsewhere

An Introduction to Phonology and Morphology
Seminar, 2 hrs per week, 6 ECTS, winter semester
Professor: Dr. Diana Forker
Oriental Studies

Recent Books on Islamic Art and Archaeology
Undergraduate and graduate tutorial, 2 hrs per week, 4 ECTS, winter semester
Professor: Dr. Lorenz Korn

English and American Studies / British Cultural Studies

The Department of English and American Studies and the Department of British Cultural Studies offer a variety of courses on different aspects of English Linguistics and Literature, Cultural Studies as well as Teaching English as a Foreign Language. They also offer translation classes (German – English, English – German) and straightforward English language classes on advanced level (vocabulary expansion, grammar, conversation, essay writing.) Since almost all courses on undergraduate as well as graduate level are taught in English, the individual courses offered are not listed here. A full listing of these courses can be found on our online course catalogue UnivIs:
http://univis.uni-bamberg.de/
→ select a semester from the drop-down menu in upper right corner → Lehrveranstaltungen einzelner Einrichtungen → Fakultät für Geistes- und Kulturwissenschaften → Institut für Anglistik und Amerikanistik

English Courses offered by our Language Center (Sprachenzentrum)

The Sprachenzentrum has developed a range of English courses taught by various native speakers. Courses that are suitable for Erasmus students include:

English: Preparing for B1 (part 1)
Undergraduate and graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructor: Joan Croker

English: Preparing for B2 (part 1)
Undergraduate and graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructor: Joan Croker

English: Preparing for B2
Undergraduate and graduate seminar, 4 hrs per week, 4 ECTS, winter semester
Instructor: N.N

English: Preparing for C1 (part 1)
Undergraduate and graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructor: Joan Croker

English for Academic Purposes (B2)
Undergraduate and graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructor: Joan Croker
English for ERASMUS students (Intermediate AND Advanced level possible)
Undergraduate and graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructor: Joan Croker

Writing and Presenting Academic Papers in English
Graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructor: Catherine Irvine

Grammar for Erasmus Students
Undergraduate and graduate seminar, 2 hrs per week, 3 ECTS, winter semester
Instructor: Joan Croker

More information can be found by contacting Catherine Irvine (catherine.irvine@uni-bamberg.de) or in UnivIs: http://univis.uni-bamberg.de/
→ select a semester from the drop-down menu in upper right corner → Lehrveranstaltungen einzelner Einrichtungen → Sprachenzentrum → Abteilungen English und Wirtschaftsenglisch