

Syllabus - 3301 International Engineering

Course Information:

Title: Engr 3301 – Part 1 Production & Part 2 Intercultural Understanding

Location: Wilhelmshaven, Germany

Part One – Production

Instructor:

	Part 1 – Production Prof. Dr.-Ing. Lutz Engel, Jade HS
Office	H409
email	lutz.engel@jade-hs.de

Course Description:

In today's global business, productions in highly industrialized nations (Europe, Northern America) have to compete with those in developing countries. Since salaries play a major role in production costs, cost savings must be gained elsewhere. Besides automation, the influence of modern factory design and effective production logistics as well as their prerequisites is explained. The conceptual design and development process of a product will also be part of the course. In these processes, specifications for the later production and logistics are being established. For example, a fully automated production of small lots of various products is becoming possible only by means of a developed product platform strategy.

Course Goals:

Students should understand the influence of the conceptual design and development of a product on production and logistics. Students should understand the benefits of effective factory organization and factory planning in production. After completing the course, they should be able to define planning goals and find appropriate production layouts together with well-suited logistic concepts.

Course content:

The influence of the conceptual design and development of a product on production and logistics are explained. Different types of productions are explained and compared. The students learn about requirements in product description as well as about intelligent layout concepts and logistics. Planning examples, calculation samples and a production example of a smart product support the learning and understanding process.

Examination:

Exam for Part One – Production – 90 min.

Exam will be closed book, only pocket calculators allowed.

Class Attendance:

Attendance is required in this class.

Class conduct:

During this class, students are expected to be respectful of and courteous towards their fellow students and the teacher at all times. This means listening attentively when others are speaking or presenting, participating actively in discussions, and being a “team player” when group work is expected.

All electronic devices should be turned off during class. If it is appropriate to use your laptop or any other form of internet during the class to conduct research, the students will be informed.

Part Two – Intercultural Understanding

Instructor:

	Part 2 – Intercultural Understanding Jennifer Hinrichs, BA USA, Jade HS
Office	S212
email	jennifer.hinrichs@jade-hs.de

Course Description:

In today's global business world, intercultural understanding is becoming increasingly important. The second part of this course deals with cultural differences, how these differences affect business situations, and how you can develop your intercultural competencies. Beginning with a discussion of "what culture is", we will work through various aspects of intercultural awareness, concluding with a review of working in global teams.

The multi-cultural aspect of the participants of this course will help to provide real examples for the basis of discussions regarding the different facets of intercultural understanding as well as introspection.

Course Goals:

Upon completion of this course, students should have increased their knowledge of intercultural understanding, the difficulties which often accompany intercultural communication, as well as their ability to come up with solutions for such problems.

They should have a widened view of the scope and influence of intercultural issues in today's business world.

Furthermore, the students will be guided in ways to increase their own intercultural competencies, thus helping to prepare them for their future professional role in the global business world.

Course content:

Reading assignments from handouts and class discussion

Group discussions and presentations

In-class activities and assignments

Examination:

Your final grade for Intercultural Understanding will be based on your final exam grade. After your exam in part one you will have to pass a second exam in part two, before you receive your final grade. Class notes and materials may be used during the exam.

Class Attendance:

Attendance is required in this class.

Class conduct:

During this class, students are expected to be respectful of and courteous towards their fellow students and the teacher at all times. This means listening attentively when others are speaking or presenting, participating actively in discussions, and being a “team player” when group work is expected.

All electronic devices should be turned off during class. If it is appropriate to use your laptop or any other form of internet during the class to conduct research, the students will be informed.

Many topic discussions within “Intercultural Understanding” may provoke very differing opinions and ideas. Students are expected to be tolerant of their fellow students’ viewpoints and to respect differences.

Students are expected to comply with the Texas Tech Code of Student Conduct in all aspects of this class.

Final Grade:

The final grade will consist of:

Part One – Production Planning (<u>written exam</u>)	50%
Part Two – Intercultural Understanding (<u>written exam</u>)	50 %
<hr/> TOTAL	<hr/> 100%