SYSTEMS ANALYSIS AND DESIGN
IFSA-Butler Reimagining Europe Semester Program in Prague

Suggested U.S. semester credit hours: 4 credits
Contact Hours: 60
Course Level: 200
Course length: Semester
Delivery method: Face to face
Language of Instruction: English

COURSE DESCRIPTION

This course aims to provide learners with the knowledge and skills needed to undertake a systems analysis investigation by following a recognized methodology. The systems life cycle provides a comprehensive framework for initially capturing data and information through a feasibility study and the use of recognized fact-finding techniques. As part of this course, learners will be encouraged to identify and consider a full set of stakeholder interests to be sure that the wider implications of any development are considered.

STUDENT LEARNING OBJECTIVES

Students who successfully complete this course will:

• Become familiar with methodology for completing a systems analysis investigation
• Be able to carry out a systems analysis investigation
• Understand the function of a feasibility study and become aware of fact-finding techniques
• Understand the importance of stakeholder interests in systems analysis investigations
• Strengthen research skills
• Strengthen academic writing skills
• Strengthen critical thinking skills
• Become familiar with resources available for further research on systems analysis and design
• Make cognitive connections between learning in this course and other learning experiences in the IFSA-Butler Reimagining Europe Semester Program in Prague
COURSE DELIVERY

Students are expected to read or view resources in advance and be prepared to actively discuss them in class. In each meeting, the instructor will overview the topic and then facilitate a group discussion, drawing out relevant themes, following up on specific lines of inquiry, and prompting students’ thoughtful engagement with the topic. Students are encouraged to bring their prior learning experiences into class discussions and to make cognitive connections between this course and others in the IFSA-Butler Reimagining Europe Semester Program in Prague whenever possible. Theories of experiential learning and integrative learning therefore undergird the dynamic learning environment of this course.

This course utilizes an interactive approach to teaching that focuses on the individual student’s needs. This approach to teaching and learning aims to foster a challenging but caring environment that allows students to explore, create, and test themselves and their ideas in a safe place.

COURSE SCHEDULE

<table>
<thead>
<tr>
<th>15 weeks</th>
<th>Content Delivery</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to System Analysis and Design</td>
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<tr>
<td>2-3</td>
<td>Basic planning</td>
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<tr>
<td>4-5</td>
<td>Planning and analysis</td>
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<tr>
<td>6-7</td>
<td>Modeling and Analysis</td>
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<tr>
<td>8-9</td>
<td>Case study exercises</td>
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<tr>
<td>10-11</td>
<td>Diagram exercises</td>
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<tr>
<td>12-15</td>
<td>Unified process/Final work</td>
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EVALUATION METHODS

The course instructor will determine specific assignments (including paper topics), projects, and exams for the course. Your work on individual assignments and projects will be guided by grading rubrics provided by the course instructor. Your final grade in the course will be arrived at through assessment methods determined by the course instructor and according to the percentages attached to each assignment and exam by the course instructor. Participation will constitute a determined percentage of your grade. Participation includes attendance, preparation, engagement in discussion, civility, and respect.
<table>
<thead>
<tr>
<th>Assignment Number</th>
<th>Type of Assignment</th>
<th>Description and Areas Assessed</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Technical Report</td>
<td>The principles of SAD</td>
</tr>
<tr>
<td>2</td>
<td>Technical Report, Case study</td>
<td>Facing Business Needs in a SAD Case Study</td>
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**Timely Submissions**
Assignments submitted after the deadline will be accepted at the discretion of the course instructor and generally only in the event of a documented illness or emergency.

**READING LIST**


**ACADEMIC INTEGRITY**

Any academic endeavor must be based upon a foundation of honesty and integrity. Students are expected to abide by principles of academic integrity and must be willing to bear individual responsibility for their work while studying abroad. Any academic work (written or otherwise) submitted to fulfill an academic requirement must represent a student's original work. Any act of academic misconduct, such as cheating, fabrication, forgery, plagiarism, or facilitating academic dishonesty, will subject a student to disciplinary action.

IFSA-Butler takes academic integrity very seriously. Students must not accept outside assistance without permission from the instructor. Additionally, students must document all sources according to the instructions of the professor. Should your instructor suspect you of plagiarism, cheating, or other forms of academic dishonesty, you may receive a failing grade for the course and disciplinary action may result. The incident will be reported to the IFSA-Butler resident director as well as your home institution.