

Social Engineering with Africa

26FS

Programme	BSc in Wirtschaftsinformatik BSc in Business Information Technology						
Degree	Bachelor						
ECTS	3						
Module coordinator	Prof. Dr. Bettina Schneider						
Compulsory attendance	Attendance is expected						
Leading principle / Short description	<p>Social engineering represents a significant threat and highlights the importance of human factors in cybersecurity. Social engineering relies on manipulating human psychology, emotions, and behaviors to deceive individuals into divulging confidential information, clicking on malicious links, or performing actions that compromise security. Hereby, the cultural context plays an essential role. Understanding the tactics and cultural differences is crucial for individuals and organizations to defend against social engineering attacks.</p> <p>This module offers a combination of: a) getting a deep-dive into the field of social engineering and b) exchanging virtually with students from Cameroon. The structure will be as follows: 1) we start in week 1 with an introduction to the African and specifically Cameroonian culture 2) in week 2-5 you learn about social engineering and work on adapting/collecting learning material in order to pass your knowledge to African students. 3) as self-study and assignment you organize and conduct virtual weekly mentoring sessions with African students (1 or more students assigned to you), 4) in week 6 we close with a wrap-up and reflection.</p>						
Module content	You deep dive into the concepts of social engineering along the “social engineering life-cycle”: 1) investigate, 2) hook, 3) play, 4) exit. A focus will be on the African context and case studies - where mobile security is of high relevance.						
Competencies to be achieved	<p>Knowledge and Understanding: Students ...</p> <ul style="list-style-type: none"> o acquire a sound knowledge of methods and tools in the field of social engineering – embedded in the context of typical attack patterns in Africa. <p>Applying Knowledge and Understanding: Students ...</p> <ul style="list-style-type: none"> o apply the social engineering knowledge by preparing and conducting virtual mentoring-sessions with African students. <p>Making Judgements: Students ...</p> <ul style="list-style-type: none"> o will be able to experience the African culture and to judge the possibilities and limitations of creating an awareness for social engineering attacks. <p>Communications Skills: Students ...</p> <ul style="list-style-type: none"> o acquire the ability to mentor and pass on their knowledge in the field of social engineering. <p>Learning Skills: Students ...</p> <ul style="list-style-type: none"> o adapt/collect/compile learning material and mentor students virtually in self-organized sessions. 						
Prerequisites	<p>none (It is a basic module – having attended the IT Security module is not a prerequisite)</p>						
Teaching and learning methods	<p>Contact hours: Lecture, Assignment Guided Self-Study: Individual work, Self-organized mentoring sessions (virtual)</p>						
Literature	none						
Remarks	Elective (BSc WI and BIT)						
Grading	Pass/Fail						
Assessment	<p>Assignment 100%</p> <table border="1"> <tr> <td>Oral / Written</td> <td>Written</td> </tr> <tr> <td>Duration (min)</td> <td>During the semester</td> </tr> <tr> <td>Grading Scale</td> <td>Pass/Fail</td> </tr> </table>	Oral / Written	Written	Duration (min)	During the semester	Grading Scale	Pass/Fail
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Module details**Social Engineering with Africa (CW17-23) - Thu - Basel**

Time	5:30 PM - 9:15 PM
Language	Englisch
Max. participants	30
Periodicity	Weekly
Lecturers	Franka Ebob Enow Ebai, Franka Ebob Enow Ebai
Number	2-26FS.W-B-WIBIT-BSC-SocEng_en.EN/WM

