



Ministry of Higher Education and  
Scientific Research - Iraq  
Northern Technical University  
Engineering Technical College/Mosul  
Department of Cybersecurity and Cloud  
Computing Techniques Engineering



## MODULE DESCRIPTION FORM

### نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	<b>Introduction to Sociology</b>		Module Delivery
Module Type	Core		<input type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	<b>BCYSCE103-S1</b>		
ECTS Credits	<b>4</b>		
SWL (hr/sem)	<b>100</b>		
Module Level	1	Semester of Delivery	
Administering Department	CYSCE	College	TECM
Module Leader	Dr. Razan Abdulhammed	e-mail	E-mail
Module Leader's Acad. Title	Assistant Professor	Module Leader's Qualification	Ph.D.
Module Tutor	Name (if available)	e-mail	rabdulhammed@ntu.edu.iq
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	01/06/2023	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

## Module Aims, Learning Outcomes and Indicative Contents

### أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p><b>Module Objectives</b> أهداف المادة الدراسية</p>	<ol style="list-style-type: none"><li>1. Examining legal and regulatory requirements, ethical issues, and the development of cybersecurity policy for commercial and government organizations.</li><li>2. Introduce students to the field of sociology and its central theoretical perspectives from Cybersecurity perspective. Provide students with basic ideas and knowledge in the science of sociology.</li><li>3. Help students understand the similarities and differences between different sociological paradigms.</li><li>4. provide students with basic ideas and knowledge in the science of sociology and how cybersecurity issues effects society.</li><li>5. Introduce student to terminology related to cybersecurity such as Cybercrime and deviance, Globalization.</li><li>6. Explore the development of organizational cybersecurity policy that meets an organization's compliance requirements and business goals.</li><li>7. Introduce students to new ways of thinking about race, ethnicity, and culture from the perspectives of sociology.</li><li>8. Use computational social science techniques to identify, counter, and measure the impact of communication in social cybersecurity.</li></ol>
<p><b>Module Learning Outcomes</b> مخرجات التعلم للمادة الدراسية</p>	<ol style="list-style-type: none"><li>1. Understanding the impact of technology on society: Students will be able to analyze the effects of technology on social structures, institutions, and relationships, and identify potential cybersecurity risks associated with technological advancements. Students can explain the sociological significance of social identity groups and the processes that create them; determine the historical and contemporary factors that shape social inequality; and analyze the relationship between social structure and individual agency.</li><li>2. Students will be able to define and explain sociological concepts and explain social facts and society-related concepts.</li><li>3. Students will be able to effectively engage with and apply their “sociological imagination” to think critically about the social world and what separates sociology from other social science disciplines.</li><li>4. Students will be able to construct relevant arguments using data from credible sources and demonstrate familiarity with basic statistical concepts.</li><li>5. help students to develop critical thinking skills, understand sociological concepts and theories, and analyze social phenomena from a sociological perspective.</li><li>6. Help students to develop communication and research skills, as well as their ability to engage with diverse perspectives and apply sociological concepts to real-world issues.</li></ol>
<p><b>Indicative Contents</b> المحتويات الإرشادية</p>	<p>Indicative content includes the following.</p> <p>Introduction to Sociology and Cybersecurity. (3hrs) Cybersecurity Fundamentals. (2hrs) Sociology Fundamentals. (10hrs)</p>

	Cybersecurity and Society. (3hrs) Cybercrime and Deviance. (2hrs) Cybersecurity and Social Change. ( 2hrs) Cybersecurity and Globalization. (2hrs) Cybersecurity and Ethics. (1hrs) Introduction to Cyberbullying(2hrs) Effects of Cyberbullying (1hrs) Human-factors, Cyber security, and sociology. (3hrs) Risks and cybersecurity incidents and how society should deal with them. (3hrs)
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### Learning and Teaching Strategies

#### استراتيجيات التعلم والتعليم

<b>Strategies</b>	Type something like: The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive learning and by considering types of simple case study discussions involving some sampling activities that are interesting to the students.
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### Student Workload (SWL)

#### الحمل الدراسي للطلاب محسوب ل ١٥ اسبوعا

<b>Structured SWL (h/sem)</b> الحمل الدراسي المنتظم للطلاب خلال الفصل	33	<b>Structured SWL (h/w)</b> الحمل الدراسي المنتظم للطلاب أسبوعيا	2
<b>Unstructured SWL (h/sem)</b> الحمل الدراسي غير المنتظم للطلاب خلال الفصل	67	<b>Unstructured SWL (h/w)</b> الحمل الدراسي غير المنتظم للطلاب أسبوعيا	4
<b>Total SWL (h/sem)</b> الحمل الدراسي الكلي للطلاب خلال الفصل	<b>200</b>		

### Module Evaluation

#### تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
<b>Formative assessment</b>	<b>Quizzes</b>	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	<b>Assignments</b>	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	<b>Projects / Lab.</b>	1	10% (10)	Continuous	All
	<b>Report</b>	1	10% (10)	13	LO #5, #8 and #10
<b>Summative assessment</b>	<b>Midterm Exam</b>	2hr	10% (10)	7	LO #1 - #7
	<b>Final Exam</b>	3hr	50% (50)	16	All
<b>Total assessment</b>			100% (100 Marks)		

## Delivery Plan (Weekly Syllabus)

### المنهاج الاسبوعي النظري

Week	Material Covered
1	<b>Introduction to Sociology and Cybersecurity:</b> <ul style="list-style-type: none"> <li>• Overview of the course</li> <li>• Introduction to sociology and cybersecurity</li> <li>• The importance of cybersecurity in modern society</li> </ul>
2	<b>Cybersecurity Fundamentals.</b> <ul style="list-style-type: none"> <li>• Cybersecurity basics</li> <li>• Cyber threats and vulnerabilities</li> <li>• Cybersecurity best practices</li> </ul>
3	<b>Sociology Fundamentals.</b> <ul style="list-style-type: none"> <li>• Introduction to sociology.</li> <li>• Social structures and institutions.</li> <li>• Social norms and values.</li> </ul>
4	<b>Cybersecurity and Society</b> <ul style="list-style-type: none"> <li>• The impact of cybersecurity on society.</li> <li>• Social and cultural factors that influence cybersecurity practices.</li> <li>• Privacy and security policy.</li> <li>• social, political, legal, criminological, and economic dimensions of cybersecurity through a social science framework</li> </ul>
5	<b>Cybercrime and Deviance</b> <ul style="list-style-type: none"> <li>• Types of cybercrime.</li> <li>• Theories of deviance and cybercrime.</li> <li>• The impact of cybercrime on society.</li> </ul>
6	<b>Cybersecurity and Social Change</b> <ul style="list-style-type: none"> <li>• Cybersecurity and social change</li> <li>• The role of technology in social change</li> <li>• Cybersecurity and activism</li> </ul>
7	<b>Cybersecurity and Globalization.</b> <ul style="list-style-type: none"> <li>• Cybersecurity and globalization</li> <li>• The impact of globalization on cybersecurity</li> <li>• Cybersecurity and international relations</li> </ul>
8	<b>Cybersecurity and Ethics</b> <ul style="list-style-type: none"> <li>• Ethical issues in cybersecurity</li> <li>• Cybersecurity and social responsibility</li> <li>• Cybersecurity and the future of society</li> </ul>
9	<b>Introduction to Cyberbullying</b> <ul style="list-style-type: none"> <li>• Definition of cyberbullying</li> <li>• Types of cyberbullying</li> <li>• How cyberbullying differs from traditional bullying</li> </ul>
10	<b>Effects of Cyberbullying.</b> <ul style="list-style-type: none"> <li>• Emotional and psychological impact on victims</li> <li>• Impact on academic performance</li> <li>• Legal and social consequences</li> </ul>

11	<b>Responding to Cyberbullying.</b> <ul style="list-style-type: none"> <li>• How to identify cyberbullying.</li> <li>• Legal and ethical considerations</li> <li>• Reporting cyberbullying incidents.</li> <li>• Supporting victims of cyberbullying.</li> </ul>
12	<b>Human-factors and Cyber security</b> social factors that contribute to cyber ,Human-factors approach to understanding cybersecurity threats incidents
13	<b>Risks and cybersecurity incidents</b> The political and legal mechanisms that are developed to control the behaviors of those who create risks and cybersecurity incidents.
14	
15	Review and Student Presentation
16	Final Exam

### Learning and Teaching Resources

#### مصادر التعلم والتدريس

	Text	Available in the Library?
<b>Required Texts</b>	Introduction to Sociology" by George Ritzer.	Yes
<b>Recommended Texts</b>	1. "Cybersecurity and Cyberwar: What Everyone Needs to Know" by P.W. Singer and Allan Friedman 3. "The Cybersecurity Canon: Must-Read Books" by Palo Alto Networks	No
<b>Websites</b>		

### Grading Scheme

#### مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
<b>Success Group (50 - 100)</b>	<b>A</b> - Excellent	امتياز	90 - 100	Outstanding Performance
	<b>B</b> - Very Good	جيد جدا	80 - 89	Above average with some errors
	<b>C</b> - Good	جيد	70 - 79	Sound work with notable errors
	<b>D</b> - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	<b>E</b> - Sufficient	مقبول	50 - 59	Work meets minimum criteria
<b>Fail Group (0 – 49)</b>	<b>FX</b> – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	<b>F</b> – Fail	راسب	(0-44)	Considerable amount of work required

**Note:** Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.