



**NORTH SOUTH UNIVERSITY**  
**SCHOOL OF BUSINESS**  
**AND ECONOMICS**

**Department of Management**

<b>Course Name:</b>	<b>Information Systems &amp; Computing</b>
<b>Course Code &amp; Section No:</b>	<b>MIS 107</b>
<b>Semester:</b>	<b>Summer, 2025</b>

**INSTRUCTOR & DEPARTMENT INFORMATION**

<b>1. Instructor Name:</b>	<b>Prof. Md. Mahbubul Alam, PhD</b>
<b>2. Office Room:</b>	NAC 983
<b>3. Office Hours:</b>	RA 1.00 to 2.00 pm (offline), by appointment (online)
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<b>6. Department:</b>	Management
<b>7. Links:</b>	<a href="http://www.mdmahbubulalam.com/">http://www.mdmahbubulalam.com/</a>

**COURSE & SECTION INFORMATION**

<b>Class Time &amp; Location</b>	RA 2.40 to 4.10 pm, NAC 504 (Section 24)
<b>Course Prerequisite(s)</b>	N/A
<b>Course Credit</b>	3
<b>Course Description</b>	This course introduces the fundamentals of information systems (IS) and its components, which includes topics such as the overview of different types of IS (TPS, MIS, DSS, ESS, etc.), phases of system development and implementation, database management systems, tele communication and network, Internet and e-commerce, knowledge management, privacy, security, social and ethical issues in IS. This course also requires students to analyze business cases by applying their technical and problem-solving skills.
<b>Course Objectives</b>	<ul style="list-style-type: none"><li>● Provide the students with an understanding of the needs, requirements, and design of Information Systems for the organization.</li><li>● Teach and practically train students how to apply technology in real business situations.</li><li>● Explain how individuals and teams in businesses use information at different levels, the main components of information systems, and how IT improves information management in organizations.</li></ul>
<b>Students Learning Outcomes</b>	<ul style="list-style-type: none"><li>● Differentiate the needs of various Information System applications and their importance in business functions.</li><li>● Identify the sources of data and learn applications for data management.</li><li>● Demonstrate an understanding of telecommunications and Internet technologies.</li><li>● Identify security threats in relation to IS use in business and adopt effective measures to reduce the negative impact on organizational resources.</li></ul>

**LEARNING RESOURCES AND TEXTBOOK(S)**

Author	Title	Edition & Year	Publisher	ISBN
Laudon, Kenneth C., Laudon, Jane P	Management Information Systems: Managing the Digital Firm	14th Edition	Pearson Education	13: 978-0-273-78997-0
O'Brien, James A., Marakas, George M.	Introduction to Information Systems	16th Edition	McGraw-Hill	13: 978-9814599801

**TEACHING METHODS**

Extensive lectures will be given on every topic, followed by real-life examples. A summary of the lectures will be available through lecture modules. Students are highly encouraged to take notes carefully. The lectures will be highly interactive. Cases will be analyzed in class discussions, encouraging students to participate and share their ideas regarding case problems. Lab sessions will be conducted to apply some of the theories learned in the classroom. There are hands-on exercises using computers for the students to learn how to operate certain software during these lab sessions.

**COURSE CONTENTS**

Lecture Series 1	Information Systems in Global Business Today (Chapter 1)
Lecture Series 2	Global Business & Collaboration (Chapter 2)
Lecture Series 3	Information Systems, Organizations, & Strategy (Chapter 3)
Lecture Series 4	Foundation of Business Intelligence and Database Management (Chapter 5)
Lecture Series 5	Telecommunication, Internet & Wireless Technology (Chapter 6)
Lecture Series 6	Enterprise Application (Chapter 8)
Lecture Series 7	E-commerce: Digital Markets and Digital Goods (Chapter 9)
Lecture Series 8	Building Information Systems (Chapter 11)
Lecture Series 9	Ethical and Social Issues in IS (Chapter 12)
Lab Session 1	Advanced Functions of Microsoft Office Docs
Lab Session 2	Business Excel-I
Lab Session 3	Business Excel-II
Lab Session 4	Database Management

**ASSESSMENT STRATEGY AND GRADING SCHEME**

- 1) **Mid-Term 1 (15% of the course grade)**
  - a. Total Points: 30
  - b. Syllabus: Lecture Series 1, 2 and 3
  - c. Marks Breakdown:
    - i. Objective question: 10 points (5%)
    - ii. Descriptive question: 20 points (10%)
- 2) **Mid-Term 2 (20% of the course grade)**
  - a. Total Points: 40
  - b. Syllabus: Lecture Series 4, 5 and 6
  - c. Marks Breakdown:
    - i. Objective question: 20 points (10%)
    - ii. Descriptive question: 20 points (10%)
- 3) **Final Exam (25% of the course grade)**
  - a. Total Points: 50
  - b. Syllabus: Lecture Series 7, 8 and 9
  - c. Marks Breakdown:
    - i. Objective question: 20 points (10%)
    - ii. Descriptive question: 30 points (15%)

- 4) **Group Assignment and Presentation (15% of the course grade) – See uniform “Project Outline”**
- 5) **Lab Exam (To be conducted in MIS Laboratory Rooms – 10% of the course grade)**
- 6) **IT-Business Case (5% of the course grade): Will be given in class**
- 7) **Class Attendance and Participation (10% of the course grade)**

## **Resources**

**PPT Slides, Notes, and Case Articles:** Available to students in NSU Network Resource  
**Other Reference Materials:** The instructor will provide in class as needed.

## **Class Performance and Attendance**

Every student is expected to attend every class. However, just attending the class will not earn class performance points. Students have to participate actively during discussion sessions to earn participation points. Students must also finish all in-class assignments to earn class performance points.

## **Exams**

Three examinations are required. The purpose is to allow the students to demonstrate an understanding of the course material. These exams consist of MCQs (multiple choice questions) and short and essay-type questions. The exam process and topics will be discussed throughout the classes. A lab exam will take place in lab classrooms.

## **Exam Formalities**

Students will be notified about the exam date and points breakdown. It could be straight, short, and broad questions, or it can be multiple choice questions or a combination of both. The instructor will make those decisions duly and notify the students. Students must take the exam on the due date. There is NO opportunity for a makeup exam except for very serious causes for which the student has to provide solid proof. In addition, special permission will be required from the Program Department, signed by the Management program Chair, to verify the cause of the makeup exam.

## **Due Date Policy**

Every assignment, report, and term paper is due on the exact date. Failure to meet the deadline will cause you to lose significant points.

## **Grading Scale**

NSU standard grading scale will be followed.

## **Classroom Rules of Conduct**

- Cell phones must be switched off or in silent mode.
- Cell phones will not be allowed during exams.
- Laptops are allowed if the situation requires.
- Show respect to your course instructor and your peers.
- Do not miss deadlines. All your hard work could mean nothing if you are not serious about due dates.
- Cheating in any form will result in a “Fail” grade.

## **Students with Special Needs**

North South University will provide educational opportunities that ensure fair, appropriate, and reasonable accommodation to students with disabilities/special needs that may affect their ability to participate in course activities or meet course requirements. Students with disabilities are encouraged to contact their instructors to ensure that their needs are met. The University, through its Special Needs section, will exert all efforts to accommodate special needs.

**Final Comments**

Please understand that your instructor is here to help you, to be with you, and to walk you through the difficult steps as long as you cooperate. The instructor of this course will be available for all of you. Feel free to stop by when something bothers you; we will try our best to help you. You may contact me through email, SMS, or by making an appointment in addition to the office hours mentioned in this outline.

Good luck!!!

The instructor reserves the right to change the above outline at his discretion