Course Requisites (if applicable)

Pre-requisites	
Co-requisites	
Pre-requisite to	
Mutually exclusive to	
Replacement course to	
Remarks (if any)	

Course Aims

1. To help graduate students improve their communication skills
2. To engage graduate students in scientific discussion and debate in a professional manner
3. To enhance the student's ability to interact with other people and address questions/challenges with confidence
4. To teach students the essential skills in scientific research, such as background literature search and critical thinking
5. To keep graduate students informed and knowledgeable about frontier research findings

Course's Intended Learning Outcomes (ILOs)

Upon the successful completion of this course, you (student) would be able to:

ILO 1	Present scientific concepts to a live audience.
ILO 2	Answer questions on presented scientific concepts.
ILO 3	Discuss and debate scientific concepts.

Course Content

During the course, each student will deliver three presentations (around 20 minutes) each and a longer seminar (around 45 minutes). This requires researching the presentation topics, preparing visual slides (e.g., using powerpoint), reheasing the oral presentation, and participation in discussions also about other students presentations. Presentation topics are not fixed and should evolve with the state-of-the-art of the fields in which students PhD work is based.

Reading and References (if applicable)

N.A.

Planned Schedule

Week or Session	Topics or Themes	ILO	Readings	Delivery Mode	Activities
1	Course Introduction & presentation preparation	1, 2, 3		In-person	
2	First presentations	1, 2, 3		In-person	
3	First presentations	1, 2, 3		In-person	
4	First presentations	1, 2, 3		In-person	
5	Second presentations	1, 2, 3		In-person	
6	Second Presentations	1, 2, 3		In-person	
7	Second Presentations	1, 2, 3		In-person	
8	Third Presentations	1, 2, 3		In-person	
9	Third Presentations	1, 2, 3		In-person	
10	Third Presentations	1, 2, 3		In-person	
11	Seminars	1, 2, 3		In-person	
12	Seminars	1, 2, 3		In-person	
13	Seminars	1, 2, 3		In-person	

Learning and Teaching Approach

Approach	How does this approach support you in achieving the learning outcomes?
Presentations	Students will prepare, practice, and deliver presentations on varying scientific topics to a live audience including their peers. Classroom discussion will be encouraged, so that students may experience asking and answering questions, while also openly debating scientific concepts.
Seminar	A seminar is a longer presentation of a specific scientific topic. It should go deeper into technical details than presentations, however, will develop similar presentation skills.

Assessment Structure

Assessment Components (includes both continuous and summative assessment)

No.	Component	ILO	Related PLO or Accreditation	Weightage	Team/Individual	Rubrics	Level of Understanding
1	Continuous Assessment (CA): Others([presentations])	1, 2, 3		40		Analytic	Relational
2	Continuous Assessment (CA): Others([class participation] Seminar)	1, 2, 3		40		Analytic	Relational
3	Continuous Assessment (CA): Others([assignments (e.g. term paper, essay)] Critique writing)	1, 2, 3		20		Analytic	Relational

Description of Assessment Components (if applicable)

Presentations will be 20 minutes long on self-chosen topics.

Seminar will be 45 minutes on PhD research topic.

Formative Feedback

Verbal and written feedback will be given to students at the end of each of their presentations/seminars.

NTU Graduate Attributes/Competency Mapping

This course intends to develop the following graduate attributes and competencies (maximum 5 most relevant)

Attributes/Competency	Level
Communication	Advanced
Digital Fluency	Basic
Transdisciplinarity	Intermediate
Project Management	Advanced
Critical Thinking	Advanced

Course Policy

Policy (Academic Integrity)

Good academic work depends on honesty and ethical behaviour. The quality of your work as a student relies on adhering to the principles of academic integrity and to the NTU Honour Code, a set of values shared by the whole university community. Truth, Trust and Justice are at the core of NTU's shared values. As a student, it is important that you recognize your responsibilities in understanding and applying the principles of academic integrity in all the work you do at NTU. Not knowing what is involved in maintaining academic integrity does not excuse academic dishonesty. You need to actively equip yourself with strategies to avoid all forms of academic dishonesty, including plagiarism, academic fraud, collusion and cheating. If you are uncertain of the definitions of any of these terms, you should go to the academic integrity website for more information. On the use of technological tools (such as Generative AI tools), different courses / assignments have different intended learning outcomes. Students should refer to the specific assignment instructions on their use and requirements and/or consult your instructors on how you can use these tools to help your learning. Consult your instructor(s) if you need any clarification about the requirements of academic integrity in the course.

Policy (General)

You are expected to complete all assigned pre-class readings and activities, attend all seminar classes punctually and take all scheduled assignments and tests by due dates. You are expected to take responsibility to follow up with course notes, assignments and course related announcements for seminar sessions they have missed. You are expected to participate in all seminar discussions and activities.

Policy (Absenteeism)

Absence from class without a valid reason will affect your overall course grade. Valid reasons include falling sick supported by a medical certificate and participation in NTU's approved activities supported by an excuse letter from the relevant bodies.

If you miss a lecture, you must inform the course instructor via email prior to the start of the class.

Policy (Others, if applicable)

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