

教学日历

课程名称：科技语篇体裁与读写

课程编码：2400134

课内学时：32

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Session 1	
Topic	Introduction
Content	This introductory session opens with the course description – the objectives, contents, methodology, requirements, and assessment of the course, so that the students are well aware of what they can expect from the course, and what they are expected to do during the course.
Session 2	
Topic	Situational characteristics and text varieties; Classification of technical texts
Content	This session first reviews the main items of literature about the attempts to classify varieties of English and then introduces the concepts of register, genre and varieties of English. The focus is on the criteria for classifying technical texts: communicative purposes, different stages in technical communication, degree of popularity, background of participants, etc.
Session 3	
Topic	Proposal genres
Content	This session introduces the idea of genre and subgenre, similarities and differences among various proposal genres, the features of proposal genres, and the most important components of proposal genres
Session 4	
Topic	Project proposal
Content	This session enables students to learn that the IMRD macrostructure of proposal genres helps improve reading. The problem-solution discourse pattern is common in writing proposals. Reading practice: A Proposal to Implement a Monitoring and Control System into Virginia Tech's Solar House
Session 5	
Topic	Research proposal
Content	This session helps the students to understand the similarities and differences

	between project proposal and research proposal. Another focus is on the understanding of the language features of experiment description.
Session 6	
Topic	Reading practice
Content	Exploring the Molecular Responses of Arabidopsis in Hypobaric Environments
Session 7	
Topic	Report genres
Content	This session compares report genres and proposal genres, identifies their similarities and differences, and introduces the features of report genres and the most important components of report genres.
Session 8	
Topic	Lab report
Content	This session enables students to identify the generic features, communicative purpose, the macrostructure, and the types of information of typical lab reports.
Session 9	
Topic	Reading practice
Content	Results of Aluminum Toughness Testing Assessment of Candidate Michigan Aggregate
Session 10	
Topic	Information structure of the Summary for a tech report
Content	This session focuses on the detailed analysis of the information structure of the Summary for a technical report, highlighting sentences that provide the most important types of information such as purposes, methods, results, conclusions, recommendations.
Session 11	
Topic	Research article as a genre
Content	This session compares tech reports and research articles, identifies their similarities and differences, and introduces the features of RA genre and the most important components in terms of the types of information and structural pattern.
Session 12	
Topic	Reading practice of RA
Content	This session enables students to identify the generic features, communicative purpose, the macrostructure, and the types of information of typical lab reports.
Session 13	
Topic	Technical jargons in scientific RAs

Content	This session helps students to distinguish technical jargons from general vocabulary.
Session 14	
Topic	Structural pattern of RA abstract and writing practice
Content	The discussion focuses on the structural pattern for the Abstract and the function of each sentence of the Abstract. Then students write an abstract for the RA Water Quality Impairments and Management Initiatives for the West Branch of the Elizabeth River
Session 15	
Topic	Literature reviews as a genre
Content	This session discusses why students are required to write literature reviews.
Session 16	
Topic	The generic features of literature reviews
Content	This session enables the students to learn about the types of information in review articles and compares the similarities and differences between RA and LR. Use the structure and the information of the Abstract to help them read the main part of the text efficiently.
Session 17	
Topic	Reading practice
Content	Read the review articles “Visual Characteristics of Roads: A Literature Review of People’s Perception and Norwegian Design Practice” and “Health Impacts of Liquid Biofuel Production and Use: A Review” and identify studies relevant to the topic. Use the method to search for studies relevant to a specific topic students are interested in.
Session 18	
Topic	The writing skills of LR
Content	Help students get familiar with the two basic citation systems. One is the consecutively numbered system, and the other is the author-date system. Help students get familiar with the structure of noun groups and verb groups so that they can read the text efficiently. Practice reading the text An Intermodal Freight Transport System for Optimal Supply Chain Logistics
Session 19	
Topic	The building blocks of scientific texts
Content	RA structures and language features, with a focus on RA introduction and the basic structural pattern for RA Introduction.

Session 20	
Topic	Organization and language features in RA Introduction
Content	This session focuses on the skills of RA Introduction organization, accurate use of appropriate sentence structures, proper technical words or word chunks.
Session 21	
Topic	Introduction sections of reports and RAs
Content	Comparison between Introduction sections of reports and RAs. Identify their similarities and differences.
Session 22	
Topic	The RA method section
Content	Description of research design. Language features in describing experimental setup and procedure
Session 23	
Topic	The RA results and discussion section
Content	Organizational patterns of results and discussion. Description of tables and figures in reporting results.
Session 24	
Topic	The RA conclusion section
Content	Types of information in the RA conclusion and the organizational patterns. Language devices to strengthen claims or hedge claims and various other linguistic features such as verb-noun concordance
Session 25	
Topic	Abstracts
Content	This session focuses on identifying the similarities and differences between journal article abstracts and dissertation abstracts in terms of length and the types of information
Session 26	
Topic	Technical news report as a genre
Content	The types of information and discourse pattern of technical news report. Comparison between the technical news report and academic abstract in terms of discourse pattern and language features. Practice writing skills of both genres.
Session 27	
Topic	Science popularization genres
Content	Rhetorical structures theory and text organization in science popularization

Session 28	
Topic	The various forms of problem-solution discourse pattern.
Content	The reading: The Green Jobs. Linguistic features to describe problems and solutions
Session 29	
Topic	The hypothesis-testing discourse pattern in text organization
Content	The reading: The Value of Positive Emotions. The method of describing experiments in science popularizations
Session 30	
Topic	University genres
Content	The typical written genres and typical spoken genres in university settings. Identification of spoken discourse markers
Session 31	
Topic	The university lecture as genre
Content	The lecture emphasizes the accurate writing of symbols and formula and the accurate use of prepositions, collocation, etc.
Session 32	
Topic	Tables and figures
Content	Linguistic features in describing the information from tables and figures.