

## 2026 年度シラバス

科目分類/Subject Categories			
学部等/Faculty	/大学院工芸科学研究科（博士前期課程）： /Graduate School of Science and Technology (Master's Programs)	今年度開講/Availability	/有：/Available
学域等/Field	/独立専攻：/Fibro/BBM	年次/Year	/2年次：/2nd Year
課程等/Program	/先端ファイブ科学専攻：/Master's Program of Advanced Fibro-Science	学期/Semester	/秋学期：/Fall term
分類/Category	/授業科目：/Courses	曜日時限/Day & Period	/集中：/Intensive

科目情報/Course Information				
時間割番号 /Timetable Number	65119922			
科目番号 /Course Number	65160221			
単位数/Credits	2			
授業形態 /Course Type	講義：Lecture			
クラス/Class				
授業科目名 /Course Title	先端ファイブ科学研究室インターンシップ：Elective course			
担当教員名 / Instructor(s)	/DAVAJAV, Narantogtokh：/DAVAJAV, Narantogtokh			
その他/Other	インターンシップ実施 科目 /Internship	国際科学技術コース提供 科目 /IGP	PBL 実施科目 /Project Based Learning	DX 活用科目 /ICT Usage in Learning
	○		○	○
	実務経験のある教員による 科目 /Practical Teacher			
科目ナンバリング /Numbering Code				

授業の目的・概要 /Objectives and Outline of the Course	
日	A broad field of vision, senses of cooperation and responsibility, and the ability for leadership required for a high specialist as well as a technical knowledge, a practical skill, and an ability to take an initiative to conduct will be attained through
英	A broad field of vision, senses of cooperation and responsibility, and the ability for leadership required for a high specialist as well as a technical knowledge, a practical skill, and an ability to take an initiative to conduct will be attained through training in various laboratories. The ability qualified in this program will be a valuable aid for the career options. For example; to explore the unique properties of different materials influence various aspects of human perception focusing on the interplay between tactile and visual stimuli in evaluating natural/ recycled materials; to engage in hands-on experimentation and theoretical studies to understand how textures, colours, and patterns influence perception and product development.

学習の到達目標 /Learning Objectives	
日	Understanding of research themes in the department of Advanced Fibro-Science Understanding the fundamental concepts of tactile and visual perception in different materials Analyzing how material processing and properties affect human perception and decision making Conducting experimental studies on fabric textures, processes and visual aesthetics
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学習目標の達成度の評価基準 / Fulfillment of Course Goals (JABEE 関連科目のみ)	
日	

英			
授業計画項目 /Course Plan			
No.		項目 Topics	内容 Content
1	日	Question Raising	Exploring problems in a research field, and raising questions.
	英	Question Raising	Exploring problems in a research field, and raising questions.
2	日	The role of visual and tactile sensation in material evaluation	Basics of human perception and sensory processing and the role of visual and tactile sensation in material evaluation
	英	The role of visual and tactile sensation in material evaluation	Basics of human perception and sensory processing and the role of visual and tactile sensation in material evaluation
3	日	Psychological and physiological aspects of material perception	Analyzing real problems in systematic ways, and finding true nature and quality which lack in the developing process in research: Psychological and physiological aspects of cashmere and other material perception
	英	Psychological and physiological aspects of material perception	Analyzing real problems in systematic ways, and finding true nature and quality which lack in the developing process in research Psychological and physiological aspects of cashmere and other material perception
4	日	Psychological and physiological aspects of material perception	Analyzing real problems in systematic ways, and finding true nature and quality which lack in the developing process in research: Psychological and physiological aspects of cashmere and other material perception
	英	Psychological and physiological aspects of material perception	Analyzing real problems in systematic ways, and finding true nature and quality which lack in the developing process in research: Psychological and physiological aspects of cashmere and other material perception
5	日	Logic solving methods. Psychological and physiological aspects	Experimental approaches to measuring tactile responses such as softness, stiffness, smoothness and etc in user perception
	英	Logic solving methods. Psychological and physiological aspects	Logic solving methods. Psychological and physiological aspects
6	日	Psychological and physiological aspects of material perception	Experimental approaches to measuring tactile responses such as softness, stiffness, smoothness and etc in user perception
	英	Psychological and physiological aspects of material perception	Experimental approaches to measuring tactile responses such as softness, stiffness, smoothness and etc in user perception
7	日	Visual Perception and Textile Aesthetics	Developing logical solving methods for the nature of problems: - Colour theory and its effect on textile perception
	英	Visual Perception and Textile Aesthetics	Developing logical solving methods for the nature of problems - Colour theory and its effect on textile perception
8	日	Visual Perception and Textile Aesthetics	Developing logical solving methods for the nature of problems: Surface characteristics, patterns, and processes of natural/ recycled materials
	英	Visual Perception and Textile Aesthetics	Developing logical solving methods for the nature of problems: Surface characteristics, patterns, and processes of natural/ recycled materials
9	日	Practical Solving Method 1	Developing logical solving methods for the nature of problems: Experimental approaches to measuring visual responses

	英	Practical Solving Method 1	Developing logical solving methods for the nature of problems: Experimental approaches to measuring visual responses
10	日	Practical Solving Method 2	Developing logical solving methods for the nature of problems: Experimental approaches to measuring visual responses
	英	Practical Solving Method 2	Developing logical solving methods for the nature of problems: Experimental approaches to measuring visual responses
11	日	Practical Solving Method 3	Developing logical solving methods for the nature of problems: Morphology of textile fabrics
	英	Practical Solving Method 3	Developing logical solving methods for the nature of problems: Morphology of textile fabrics
12	日	Practical Solving Method 4	Developing logical solving methods for the nature of problems: softness and roughness properties of different type of materials
	英	Practical Solving Method 4	Developing logical solving methods for the nature of problems: softness and roughness properties of different type of materials
13	日	Practical Solving Method 5	Developing logical solving methods for the nature of problems: data analysis from visual and tactile sensations and mechanical and physical properties
	英	Practical Solving Method 5	Developing logical solving methods for the nature of problems: data analysis from visual and tactile sensations and mechanical and physical properties
14	日	Discussion and Report 1	Reviewing and documentation of all steps of the process
	英	Discussion and Report 1	Reviewing and documentation of all steps of the process
15	日	Discussion and Report 2	Reviewing and documentation of all steps of the process
	英	Discussion and Report 2	Reviewing and documentation of all steps of the process

履修条件 /Prerequisite(s)	
日	
英	

授業時間外学習（予習・復習等） /Required study time, Preparation and review	
日	Not in particular
英	Not in particular

教科書／参考書 /Textbooks/Reference Books	
日	Not in particular
英	Not in particular

成績評価の方法及び基準 /Grading Policy	
日	End-of-term evaluation by daily activities (70%) and reports (30%)
英	End-of-term evaluation by daily activities (70%) and reports (30%)

留意事項等 /Point to consider	
日	Understand research ethics.
英	Understand research ethics.