

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	/1～2年次：/1st through 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	/春学期：/Spring 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	65109910			
科目番号 /Course Number	65160208			
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	衣服の縫製技術：Garment Technology			
担当教員名 / Instructor(s)	/WE-TEAM 関係教員：/Related teacher of WE-TEAM			
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	Recognise and appreciate the correct combination of basic factors related to garment assembly, develop an understanding of basic garment construction techniques & processes, recognise garment assembly faults and recommend appropriate solutions, develop sk
英	Recognise and appreciate the correct combination of basic factors related to garment assembly, develop an understanding of basic garment construction techniques & processes, recognise garment assembly faults and recommend appropriate solutions, develop skills of analysis and evaluation. Final competences: Insights: <ul style="list-style-type: none"> • recognise and appreciate the correct combination of basic factors related to garment assembly • develop an understanding of basic garment construction techniques & processes • recognise garment assembly faults and recommend appropriate solutions Skills: <ul style="list-style-type: none"> • develop skills of analysis and evaluation

学習の到達目標 /Learning Objectives	
日	To recognise and appreciate the correct combination of basic factors related to garment assembly
英	To recognise and appreciate the correct combination of basic factors related to garment assembly

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	
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授業計画項目 /Course Plan			
No.		項目 Topics	内容 Content
1	日	Appearance Requirements of Seam Construction	Appearance Requirements of Seam Construction
	英	Appearance Requirements of Seam Construction	Appearance Requirements of Seam Construction
2	日	Performance Requirements of Seam Construction	Performance Requirements of Seam Construction
	英	Performance Requirements of Seam Construction	Performance Requirements of Seam Construction
3	日	Characteristics of Thread Types for Commercial Garment Applications 1	Characteristics of Thread Types for Commercial Garment Applications 1
	英	Characteristics of Thread Types for Commercial Garment Applications 1	Characteristics of Thread Types for Commercial Garment Applications 1
4	日	Characteristics of Thread Types for Commercial Garment Applications 2	Characteristics of Thread Types for Commercial Garment Applications 2
	英	Characteristics of Thread Types for Commercial Garment Applications 2	Characteristics of Thread Types for Commercial Garment Applications 2
5	日	Garment Assembly through the Practical Application of Sewing Processes 1	Garment Assembly through the Practical Application of Sewing Processes 1
	英	Garment Assembly through the Practical Application of Sewing Processes 1	Garment Assembly through the Practical Application of Sewing Processes 1
6	日	Garment Assembly through the Practical Application of Sewing Processes 2	Garment Assembly through the Practical Application of Sewing Processes 2
	英	Garment Assembly through the Practical Application of Sewing Processes 2	Garment Assembly through the Practical Application of Sewing Processes 2
7	日	Garment Assembly Analysis	Garment Assembly Analysis
	英	Garment Assembly Analysis	Garment Assembly Analysis
8	日	Garment Assembly Sequences	Garment Assembly Sequences
	英	Garment Assembly Sequences	Garment Assembly Sequences
9	日	Garment Assembly Fault Recognition	Garment Assembly Fault Recognition
	英	Garment Assembly Fault Recognition	Garment Assembly Fault Recognition
10	日	Garment Assembly Evaluation of Potential Solutions	Garment Assembly Evaluation of Potential Solutions
	英	Garment Assembly Evaluation of Potential Solutions	Garment Assembly Evaluation of Potential Solutions
11	日	Overview of the Properties of the Various Sewing Machine Needle Types	Overview of the Properties of the Various Sewing Machine Needle Types
	英	Overview of the Properties of the Various Sewing Machine Needle Types	Overview of the Properties of the Various Sewing Machine Needle Types

		Needle Types	
12	日	Overview of the Applications of the Various Sewing Machine Needle Types	Overview of the Applications of the Various Sewing Machine Needle Types
	英	Overview of the Applications of the Various Sewing Machine Needle Types	Overview of the Applications of the Various Sewing Machine Needle Types
13	日	Overview of the Properties of the Most Commonly Used Sewing Machine Feeding Syst	Overview of the Properties of the Most Commonly Used Sewing Machine Feeding Systems
	英	Overview of the Properties of the Most Commonly Used Sewing Machine Feeding Systems	Overview of the Properties of the Most Commonly Used Sewing Machine Feeding Systems
14	日	Overview of the Applications of the Most Commonly Used Sewing Machine Feeding Sy	Overview of the Applications of the Most Commonly Used Sewing Machine Feeding Systems
	英	Overview of the Applications of the Most Commonly Used Sewing Machine Feeding Systems	Overview of the Applications of the Most Commonly Used Sewing Machine Feeding Systems
15	日	Components and Trimmings Type Selection and Applications	Components and Trimmings Type Selection and Applications
	英	Components and Trimmings Type Selection and Applications	Components and Trimmings Type Selection and Applications

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	Initial competences: • Bsc level in mathematics, organic chemistry, physical chemistry, general process engineering, textile technology and materials engineering
英	Initial competences: • Bsc level in mathematics, organic chemistry, physical chemistry, general process engineering, textile technology and materials engineering

教科書／参考書 /Textbooks/Reference Books

日	Apparel Manufacturing Technology, ByT. Karthik, P. Ganesan, D. Gopalakrishnan, ISBN 9781498763752
英	Apparel Manufacturing Technology, ByT. Karthik, P. Ganesan, D. Gopalakrishnan, ISBN 9781498763752

成績評価の方法及び基準 /Grading Policy

日	End-of-term evaluation Examination methods in case of periodic evaluation during the first examination period: Written Examination Examination methods in case of periodic evaluation during the second examination period: Written Examination During exami
英	End-of-term evaluation Examination methods in case of periodic evaluation during the first examination period: Written Examination Examination methods in case of periodic evaluation during the second examination period: Written Examination During examination period: written closed-book exam

留意事項等 /Point to consider	
日	Teaching language is English. Intensive course
英	Teaching language is English. Intensive course