Mechanical Systems Engineering

Master’s Course ＜前期課程＞　　機械システム工学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credits 単位数	Automotive Engineering Graduate Program 自動車工学プログラム Starts 開講時期
Basic Courses 基礎科目	Lecture 講義	宇宙天気の理解と応用	Understanding of space weather and applications	MARTINEZ CALDERON Claudia	2	1Autumn
		自動車工学特論	Advanced Lectures on Automotive Engineering	CUI Yi	2	1Autumn or 2Autumn (offered every other year)
Specialized courses 専門科目	Seminar セミナー	自動車工学セミナー1A	Automotive Engineering Seminar 1A	Faculty of Automotive Engineering	2	1Autumn
		自動車工学セミナー1B	Automotive Engineering Seminar 1B	Faculty of Automotive Engineering	2	1Spring
		自動車工学セミナー1C	Automotive Engineering Seminar 1C	Faculty of Automotive Engineering	2	2Autumn
		自動車工学セミナー1D	AutomotiveEngineering Seminar 1D	Faculty of Automotive Engineering	2	2Spring
	Lecture 講義	熱工学特論	Advanced Thermal Engineering	NAGANO Hosei, YAMAMOTO Kazuhiro	2	1Autumn or 2Autumn (offered every other year)
		流体工学特論	Advanced Lectures on Fluid Engineering	ITO Yasumasa	2	1Spring or 2Spring (offered every other year)
		材料強度学特論	Advanced Lectures on Strength and Fracture of Materials	OKUMURA Dai, NAGASHIMA So	2	1Autumn or 2Automn (offered every other year)
		計算機援用工学特論	Advanced Lectures on Computer-Aided Engineering	TBD	2	1Autumn , 2Autumn
		通信・画像信号処理工学特論	Advanced Lectures on Communication and Image Processing	LU Shan, YAMAZATO Takaya, FUJII Toshiaki, TAKAHASHI Keita	2	1Spring or 2Spring (offered every other year)
		工業における放射線利用	Industrial Uses of Radiation	ENDO Tomohiro	2	1Spring or 2Spring (offered every other year)
	Experiments and Exercises 実験・演習	自動車工学特別実験及び演習A	Advanced Experiments and Exercises in Automotive Engineering A	Faculty of Automotive Engineering	1	1Autumn
		自動車工学特別実験及び演習B	Advanced Experiments and Exercises in Automotive Engineering B	Faculty of Automotive Engineering	1	1Spring
Comprehensive engineering courses 総合工学科目		国際先端自動車工学特論 U1	International Graduate Lectures on Advanced Technology and Trends in Automobile Engineering U1	SAKAI Yasuhiko Designated Professor	1	1Spring, 2Spring
		国際先端自動車工学特論 U3	International Graduate Lectures on Advanced Technology and Trends in Automobile Engineering U3	SAKAI Yasuhiko Designated Professor	3	1Spring, 2Spring
		コミュニケーション学	Introduction to Academic Communication	FURUYA Reiko	1	1Autumn, 2Autumn
		研究インターンシップ１ U2	Research Internship1 U2	Faculty of Automotive Engineering	2	1Autumn to Spring 2Autumn to Spring
		研究インターンシップ１ U3	Research Internship1 U3	Faculty of Automotive Engineering	3	1Autumn to Spring 2Autumn to Spring
		研究インターンシップ１ U4	Research Internship1 U4	Faculty of Automotive Engineering	4	1Autumn to Spring 2Autumn to Spring
		研究インターンシップ１ U6	Research Internship1 U6	Faculty of Automotive Engineering	6	1Autumn to Spring 2Autumn to Spring
		研究インターンシップ１ U8	Research Internship1 U8	Faculty of Automotive Engineering	8	1Autumn to Spring 2Autumn to Spring
		科学技術英語特論	Advanced Lectures on Scientific English	Part-Time Faculty	1	1Autumn, 2Autumn
Courses from other departments 他専攻等科目	Of class courses offered by Global 30 International Programs of Graduate School of Engineering Department of other than the majors or of class courses offered by Global 30 International Programs of other graduate schools of the University, Graduate School Common Courses,class courses of graduate schools of other universities under a credit transfer agreement, or the University's undergraduate class courses relating to academic fields that have not been studied by the students, those which are approved by the students' academic advisors and the head of the department 当該専攻以外の工学研究科専攻の国際プログラム群で開講されている授業科目及び本学大学院の他の研究科の国際プログラム群で開講される授業科目，本学大学院共通科目，単位互換協定による他の大学院の授業科目又は工学研究科入学時において当該学生が未履修の学問分野に関する本学学部の授業科目のうち，指導教員及び専攻長が認めた科目					

Research supervision　研究指導

Method of Completion and Research Supervision　（履修方法及び研究指導）

１． The requirements stated in the following items i) to iii) must be met and a total of at least 30 credits must be acquired.
(以下のi)～iii)の各項を満たし，合計３０単位以上)

i) Basic Courses/Specialized Courses (基礎科目/専門科目) :

a. At least 2 credits from Basic courses (基礎科目２単位以上)

b. At least 14 credits from Specialized courses, including 6 credits from seminars, 6 credits from lectures and 2 credits from experiments and exercises （専門科目の中から，セミナー６単位，講義６単位，実験・演習２単位を含む１４単位以上）

ii) A maximum of 8 credits from Comprehensive engineering courses will be recognized as credits required for completion; credits in excess of 8 credits will be treated as credits for free elective subjects
（総合工学科目は８単位までを修了要件単位として認め，８単位を超えた分は随意科目の単位として扱う）

iii) At least 4 credits from Courses from other departments
(他専攻等科目から4単位以上)

２．Research supervision: students will be subject to instruction by academic advisors under the rules prescribed by the department.
（研究指導については，専攻において定めるところにより，指導教員の指示によること）