

AY2026 SOKENDAI Credit Transfer Program:

Courses Offered by UEC

Please refer to the “UEC_Classification Table of Class Courses Supported in English” and select the course you wish to attend.

Common Courses

Course Title	Instructor(s)	Credits	Semester	Day	Period	Capacity	Language Code
Advanced Topics of Geometry	Yuichi Yamada	2	Fall	Wed	5	5	Cc
Advanced Topics in Analysis	Hirakazu Saito	2	Fall	Tue	5	5	Cc
Advanced Pedagogy	Norifumi Takeishi	2	Fall	Wed	4	2	Cc
Advanced Lectures on Venture Business ※Omnibus Course Taught by Part-time Lecturers	Katsuto Takaki	2	Fall	Wed	3	No Limit	Cc
Leading Edge Information Technology	Shunsuke Kudo; Takuya Nojima	2	Fall	Tue	5	6	Cc
Advanced Data Scientist	Kei Harada	2	Fall	Sat	3-5	20	Cc
Data Entrepreneur Practical Theory	Kei Harada	2	Fall	Sat	3-5	20	Cc

Department of Informatics

Course Title	Instructor(s)	Credits	Semester	Day	Period	Capacity	Language Code
Advanced Computer Science	Satoshi Hara	2	Fall	Thu	4	5	Cc
Advanced Ergonomics	Kazuyuki Mito	2	Fall	Mon	3	5	Cc
Advanced Production Systems	Yuki Kinoshita	2	Fall	Tue	2	10	Cc
Advanced Discrete Information Structures	Yoshiyasu Ishigami	2	Fall	Tue	4	10	Ba
Advanced Topics on Cryptography	Mitsugu Iwamoto	2	Fall	Wed	2	5	Bb
Advanced Topics on Intelligent Soft Computing Systems	Tomonori Hashiyama	2	Fall	Fri	2	6	Bb
Advanced Topics in Interactive Systems	Koichi Hirota	2	Fall	Wed	2	9	Cc
Advanced Topics on Intelligent Robotics	Shunsuke Kudo	2	Fall	Tue	4	3	Cc

Spatiotemporal Informatics	Kayoko Yamamoto	2	Fall	Wed	2	5	Bc
Advanced Computer Networks	Satoru Ozahata	2	Fall	Tue	3	5	Ca

Department of Information and Network Engineering

Course Title	Instructor(s)	Credits	Semester	Day	Period	Capacity	Language Code
Fundamentals of Circuits and Systems	Kazuki Nishi; Ryo Ishikawa	2	Fall	Thu	4	10	Cb
Fundamentals of High Performance Computing	Shinobu Miwa; Shuhei Kudo	2	Fall	Fri	4	4	Cc
Foundation of Discrete Optimization	Yoshio Okamoto	2	Fall	Tue	2	10	Cc
Advanced Information Optics and Photonics	Mitsuru Musha	2	Fall	Tue	2	3-4	Ca
Advanced Optical Communication System	Motoharu Matsuura	2	Fall	Fri	4	5	Bb
Nonlinear Dynamical Systems	Hisaya Tanaka	2	Fall	Thu	3	3	Cc
Advanced Intelligent Information Systems	Takeshi Ito	2	Fall	Thu	1	10	Ca
Advanced Statistical Machine Learning	Yu Nishiyama; Masaki Uto	2	Fall	Thu	2	5	Cb
Advanced Topics on Information Geometry	Jun Suzuki	2	Fall	Wed	2	No Limit	Bc
Advanced Interconnection Networks	Tsutomu Yoshinaga	2	Fall	Tue	3	6	Bb
Advanced Topics in Data Analysis Optimization ※ Mon 1 & Thu 1, twice weekly	Zhi Liu	2	Fall	Mon/Thu	1	No Limit	Aa
Advanced Theory on Spoken Dialog Processing	Yasuhiro Minami	2	Fall	Fri	2	3	Ba
Advanced Topics on System Software	Hayato Yamaki	2	Fall	Tue	5	6	Bc
Advanced Programming Languages: Concepts and Implementation	Tsuneyasu Komiya	2	Fall	Mon	3	6	Cb

Department of Mechanical and Intelligent Systems Engineering

Course Title	Instructor(s)	Credits	Semester	Day	Period	Capacity	Language Code
Advanced Bioinstrumentation Engineering	Takuji Koike; Kazuto Masamoto	2	Fall	Thu	5	5	Cb
Advanced Computer Vision	Tomoaki Nakamura	2	Fall	Fri	3	5	Cc
Advanced Information Engineering for Robotics	Tetsuro Funato; Yoshihiro Nakata	2	Fall	Wed	2	5	Ca
Advanced Intelligent Production System	Koichi Morishige	2	Fall	Tue	1	5	Bb
Advanced Theory of Dynamical Systems	Hans-Georg Matuttis; Yuya Mori	2	Fall	Thu	1	5	Bb
Advanced Computational Mechanics	Kazunaga Chiba; Yuya Mori	2	Fall	Fri	2	5	Bc

Department of Engineering Science

Course Title	Instructor(s)	Credits	Semester	Day	Period	Capacity	Language Code
Quantum Energy Science	Yoshio Kobayashi	2	Fall	Tue	3	5	Ca
Fundamentals of Electromagnetic Theory	Kenichi Nakagawa; Akira Shirakawa	2	Fall	Mon	2	10	Cb
Advanced Optical Communication System	Motoharu Matsuura	2	Fall	Fri	4	5	Bb
Advanced Information Optics and Photonics	Mitsuru Musha	2	Fall	Tue	2	3-4	Ca
Advanced Bioinstrumentation Engineering	Takuji Koike; Kazuto Masamoto	2	Fall	Thu	5	5	Cb
Advanced Lectures on Electronic Properties in Solids	Hitoshi Nakamura; Kazuyuki Matsubayashi	2	Fall	Fri	4	10	Cb
Advanced Solid State Chemistry	Naoyuki Ishida; Shuzo Hirata	2	Fall	Fri	2	3	Bb
Advanced Inorganic Materials Chemistry	Masahiro Kako	2	Fall	Wed	2	3	Cb
Advanced Physical Chemistry	Yoshihiro Yamakita	2	Fall	Tue	1	10	Bb