## Special Master's Program (Fall-2023 Semester)

\*For students enrolled in and after 2021

## Electronic Systems and Devices Program

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LECTURE CODE	SUBJECT CODE	SUBJECT	CREDIT	INSTRUCTOR'S NAME	REQUIRED /ELECTIVE	YEAR	CLASS	DAYS	PERIOD	ROOM	TERM	COMMENTS
R23009002	ESED12010	Advanced Semiconductor Electronics	2	Yamazato, M.	Elective	1		Thu	3	4-318	Fall semester	
R23010002	ESED12020	Advanced Vacuum Technology	2	Okada, T.	Elective	1		Thu	2	3-101	Fall semester	
R23011002	ESED12030	Organic Electronics Material Engineering	2	Kageyama, H.	Elective	1		Wed	2	3-101	Fall semester	
R20001002	ESCM11010	Ethical and Social Implications of Engineering	2	Shibata, S.	Required	1		Wed	5	1-222	Fall semester	
R20002032	ESCM14010	Master's Thesis in Engineering I	1.5	Supervisors	Required	1	3				Fall semester	
R20003032	ESCM14020	Master's Thesis in Engineering II	1.5	Supervisors	Required	1	3				Fall semester	
R20004032	ESCM14030	Master's Thesis in Engineering III	1.5	Supervisors	Required	1	3				Fall semester	
R20005032	ESCM14040	Master's Thesis in Engineering IV	1.5	Supervisors	Required	1	3				Fall semester	
R20006032	ESCM14050	Special Seminars in Engineering I	1.5	Supervisors	Required	1	3				Fall semester	
R20007032	ESCM14060	Special Seminars in Engineering II	1.5	Supervisors	Required	1	3				Fall semester	
R20008032	ESCM14070	Special Seminars in Engineering III	1.5	Supervisors	Required	1	3				Fall semester	
R20009032	ESCM14080	Special Seminars in Engineering IV	1.5	Supervisors	Required	1	3				Fall semester	
R20011032	ESCM12010	Internship II	1	Shimabukuro, K.	Elective	1	3				Intensive	
R20013032	ESCM12020	Internship IV	2	Shimabukuro, K.	Elective	1	3				Intensive	
	LECTURE CODE  R23009002  R230110002  R23011002  R20001002  R20002032  R20003032  R20005032  R20006032  R20007032  R20008032  R20008032  R20009032  R20011032	LECTURE CODE         SUBJECT CODE           R23009002         ESED12010           R23011002         ESED12020           R23011002         ESED12030           R20001002         ESCM11010           R20002032         ESCM14010           R20003032         ESCM14020           R20004032         ESCM14030           R20005032         ESCM14040           R20007032         ESCM14050           R20007032         ESCM14060           R20008032         ESCM14070           R20009032         ESCM14080           R20011032         ESCM12010	LECTURE CODE         SUBJECT CODE         SUBJECT           R23009002         ESED12010         Advanced Semiconductor Electronics           R23010002         ESED12020         Advanced Vacuum Technology           R23011002         ESED12030         Organic Electronics Material Engineering           R20001002         ESCM11010         Ethical and Social Implications of Engineering           R20002032         ESCM14010         Master's Thesis in Engineering I           R20003032         ESCM14020         Master's Thesis in Engineering III           R20004032         ESCM14030         Master's Thesis in Engineering IV           R20005032         ESCM14040         Master's Thesis in Engineering IV           R20007032         ESCM14050         Special Seminars in Engineering II           R20007032         ESCM14060         Special Seminars in Engineering III           R20009032         ESCM14070         Special Seminars in Engineering IV           R20011032         ESCM12010         Internship II	LECTURE CODE         SUBJECT CODE         SUBJECT         CREDIT           R23009002         ESED12010         Advanced Semiconductor Electronics         2           R23010002         ESED12020         Advanced Vacuum Technology         2           R23011002         ESED12030         Organic Electronics Material Engineering         2           R20001002         ESCM11010         Ethical and Social Implications of Engineering         2           R20002032         ESCM14010         Master's Thesis in Engineering I         1.5           R20003032         ESCM14020         Master's Thesis in Engineering III         1.5           R20004032         ESCM14030         Master's Thesis in Engineering IV         1.5           R20005032         ESCM14040         Master's Thesis in Engineering IV         1.5           R20007032         ESCM14050         Special Seminars in Engineering II         1.5           R20007032         ESCM14060         Special Seminars in Engineering III         1.5           R20008032         ESCM14070         Special Seminars in Engineering IV         1.5           R20011032         ESCM12010         Internship II         1	LECTURE CODE         SUBJECT CODE         SUBJECT         CREDIT         INSTRUCTOR'S NAME           R23009002         ESED12010         Advanced Semiconductor Electronics         2         Yamazato, M.           R23010002         ESED12020         Advanced Vacuum Technology         2         Okada, T.           R23011002         ESED12030         Organic Electronics Material Engineering         2         Kageyama, H.           R20001002         ESCM11010         Ethical and Social Implications of Engineering         2         Shibata, S.           R20002032         ESCM14010         Master's Thesis in Engineering I         1.5         Supervisors           R20003032         ESCM14020         Master's Thesis in Engineering III         1.5         Supervisors           R20004032         ESCM14030         Master's Thesis in Engineering IV         1.5         Supervisors           R20005032         ESCM14040         Master's Thesis in Engineering IV         1.5         Supervisors           R20007032         ESCM14050         Special Seminars in Engineering II         1.5         Supervisors           R20008032         ESCM14060         Special Seminars in Engineering III         1.5         Supervisors           R20009032         ESCM14070         Special Seminars in Engineering IV         1.5 </td <td>LECTURE CODESUBJECTCREDITINSTRUCTOR'S NAMEREQUIRED /ELECTIVER23009002ESED12010Advanced Semiconductor Electronics2Yamazato, M.ElectiveR23010002ESED12020Advanced Vacuum Technology2Okada, T.ElectiveR23011002ESED12030Organic Electronics Material Engineering2Kageyama, H.ElectiveR20001002ESCM11010Ethical and Social Implications of Engineering2Shibata, S.RequiredR20002032ESCM14010Master's Thesis in Engineering I1.5SupervisorsRequiredR20003032ESCM14020Master's Thesis in Engineering III1.5SupervisorsRequiredR20004032ESCM14030Master's Thesis in Engineering III1.5SupervisorsRequiredR20005032ESCM14040Master's Thesis in Engineering IV1.5SupervisorsRequiredR20006032ESCM14050Special Seminars in Engineering II1.5SupervisorsRequiredR20007032ESCM14060Special Seminars in Engineering III1.5SupervisorsRequiredR20008032ESCM14070Special Seminars in Engineering III1.5SupervisorsRequiredR20009032ESCM14080Special Seminars in Engineering IV1.5SupervisorsRequiredR20011032ESCM12010Internship II1Shimabukuro, K.Elective</td> <td>LECTURE CODE         SUBJECT         SUBJECT         CREDIT         INSTRUCTOR'S NAME         REQUIRED /ELECTIVE         YEAR           R23009002         ESED12010         Advanced Semiconductor Electronics         2         Yamazato, M.         Elective         1           R23010002         ESED12020         Advanced Vacuum Technology         2         Okada, T.         Elective         1           R23011002         ESED12030         Organic Electronics Material Engineering         2         Kageyama, H.         Elective         1           R20001002         ESCM11010         Ethical and Social Implications of Engineering         2         Shibata, S.         Required         1           R20002032         ESCM14010         Master's Thesis in Engineering I         1.5         Supervisors         Required         1           R20004032         ESCM14030         Master's Thesis in Engineering III         1.5         Supervisors         Required         1           R20005032         ESCM14040         Master's Thesis in Engineering IV         1.5         Supervisors         Required         1           R20007032         ESCM14060         Special Seminars in Engineering II         1.5         Supervisors         Required         1           R20008032         ESCM14070</td> <td>  R23019002   ESED12010   Advanced Semiconductor Electronics   2   Yamazato, M.   Elective   1   R23019002   ESED12020   Advanced Vacuum Technology   2   Okada, T.   Elective   1   R23011002   ESED12030   Organic Electronics Material Engineering   2   Kageyama, H.   Elective   1   R23011002   ESED12030   Organic Electronics Material Engineering   2   Shibata, S.   Required   1   R20001002   ESCM11010   Ethical and Social Implications of Engineering   1.5   Supervisors   Required   1   3   R20002032   ESCM14010   Master's Thesis in Engineering II   1.5   Supervisors   Required   1   3   R20004032   ESCM14020   Master's Thesis in Engineering III   1.5   Supervisors   Required   1   3   R20005032   ESCM14040   Master's Thesis in Engineering IV   1.5   Supervisors   Required   1   3   R20006032   ESCM14050   Special Seminars in Engineering II   1.5   Supervisors   Required   1   3   R20007032   ESCM14060   Special Seminars in Engineering II   1.5   Supervisors   Required   1   3   R20008032   ESCM14060   Special Seminars in Engineering II   1.5   Supervisors   Required   1   3   R20008032   ESCM14060   Special Seminars in Engineering III   1.5   Supervisors   Required   1   3   R20008032   ESCM14070   Special Seminars in Engineering III   1.5   Supervisors   Required   1   3   R20008032   ESCM14080   Special Seminars in Engineering IV   1.5   Supervisors   Required   1   3   R20008032   ESCM14080   Special Seminars in Engineering IV   1.5   Supervisors   Required   1   3   R20011032   ESCM12010   Internship II   1   Shimabukuro, K.   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Elective   1   3   Elective   1   3   Elective   1   3   Elective   1   3   Elective</td> <td>  LECTURE CODE</td> <td>  Recourse   Subject   Code   Subject   Subjec</td> <td>  LECTURE CODE   SUBJECT   SUBJECT   SUBJECT   CREDIT   INSTRUCTOR'S NAME   REQUIRED   YEAR   CLASS DAYS   PERIOD   ROOM    </td> <td>  LECTURE CODE   SUBJECT   SUBJECT   SUBJECT   CREDIT   INSTRUCTOR'S   REQUIRED   YEAR   CLASS   DAYS   PERIOD   ROOM   TERM    </td>	LECTURE CODESUBJECTCREDITINSTRUCTOR'S NAMEREQUIRED /ELECTIVER23009002ESED12010Advanced Semiconductor Electronics2Yamazato, M.ElectiveR23010002ESED12020Advanced Vacuum Technology2Okada, T.ElectiveR23011002ESED12030Organic Electronics Material Engineering2Kageyama, H.ElectiveR20001002ESCM11010Ethical and Social Implications of Engineering2Shibata, S.RequiredR20002032ESCM14010Master's Thesis in Engineering I1.5SupervisorsRequiredR20003032ESCM14020Master's Thesis in Engineering III1.5SupervisorsRequiredR20004032ESCM14030Master's Thesis in Engineering III1.5SupervisorsRequiredR20005032ESCM14040Master's Thesis in Engineering IV1.5SupervisorsRequiredR20006032ESCM14050Special Seminars in Engineering II1.5SupervisorsRequiredR20007032ESCM14060Special Seminars in Engineering III1.5SupervisorsRequiredR20008032ESCM14070Special Seminars in Engineering III1.5SupervisorsRequiredR20009032ESCM14080Special Seminars in Engineering IV1.5SupervisorsRequiredR20011032ESCM12010Internship II1Shimabukuro, K.Elective	LECTURE CODE         SUBJECT         SUBJECT         CREDIT         INSTRUCTOR'S NAME         REQUIRED /ELECTIVE         YEAR           R23009002         ESED12010         Advanced Semiconductor Electronics         2         Yamazato, M.         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Required         1           R20002032         ESCM14010         Master's Thesis in Engineering I         1.5         Supervisors         Required         1           R20004032         ESCM14030         Master's Thesis in Engineering III         1.5         Supervisors         Required         1           R20005032         ESCM14040         Master's Thesis in Engineering IV         1.5         Supervisors         Required         1           R20007032         ESCM14060         Special Seminars in Engineering II         1.5         Supervisors         Required         1           R20008032         ESCM14070	R23019002   ESED12010   Advanced Semiconductor Electronics   2   Yamazato, M.   Elective   1   R23019002   ESED12020   Advanced Vacuum Technology   2   Okada, T.   Elective   1   R23011002   ESED12030   Organic Electronics Material Engineering   2   Kageyama, H.   Elective   1   R23011002   ESED12030   Organic Electronics Material Engineering   2   Shibata, S.   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Elective   1   3   R20011032   ESCM12010   Internship II   1   Shimabukuro, K.   Elective   1   3   R20011032   ESCM12010   Internship II   1   Shimabukuro, K.   Elective   1   3   R20011032   ESCM12010   Internship II   1   Shimabukuro, K.   Elective   1   3   R20011032   ESCM12010   Internship II   1   Shimabukuro, K.   Elective   1   3   R20011032   ESCM12010   Internship II   1   Shimabukuro, K.   Elective   1   3   Elective   1   3   Elective   1   3   Elective   1   3   Elective	LECTURE CODE	Recourse   Subject   Code   Subject   Subjec	LECTURE CODE   SUBJECT   SUBJECT   SUBJECT   CREDIT   INSTRUCTOR'S NAME   REQUIRED   YEAR   CLASS DAYS   PERIOD   ROOM	LECTURE CODE   SUBJECT   SUBJECT   SUBJECT   CREDIT   INSTRUCTOR'S   REQUIRED   YEAR   CLASS   DAYS   PERIOD   ROOM   TERM