

Master's/Doctoral Program in Materials Innovation

Research guidance for the completion of the course is provided under the direction of the supervisor, in addition to the acquisition of research guidance courses at the appropriate time. Refer to each of the following links and others as indicated below.

< **Official website of University of Tsukuba (Important announcements from the University)** >

<http://www.tsukuba.ac.jp/>

<http://www.tsukuba.ac.jp/en/>

< **Official website of Degree Program of Pure and Applied Sciences** >

(Important announcements from Degree Program)

<http://www.pas.tsukuba.ac.jp/>

<http://www.pas.tsukuba.ac.jp/english/>

< **Educational policy** >

<https://www.tsukuba.ac.jp/education/gstandard.html>

<https://www.tsukuba.ac.jp/en/academics/policy-ethics/>

< **Graduate School Handbook (requirements for completion, courses)** >

<http://www.tsukuba.ac.jp/education/g-courses/index.html>

<https://www.tsukuba.ac.jp/en/academics/g-courses-handbook/>

< **kdb (syllabus)** >

https://kdb.tsukuba.ac.jp/campusweb/campusquare.do?_flowExecutionKey=_cEB5175C9-5676-0466-BC4C-D995064D6A60_k0D4F7E2C-5644-906C-A338-60C6494D7608

< **manaba (class information and taking online lectures)** >

<https://idp.account.tsukuba.ac.jp/idp/profile/SAML2/Redirect/SSO?execution=e1s2>

< **TWINS (application for course registration)** >

<https://twins.tsukuba.ac.jp/campusweb/campusportal.do>

< **TWINS Tutorial (TWINS Operation Guide for Students)** >

https://www.cc.tsukuba.ac.jp/ICT/ICT_Guide_E.pdf#page=25

< **School calendar** >

<https://www.tsukuba.ac.jp/campuslife/calendar/>

<https://www.tsukuba.ac.jp/en/academics/g-courses-handbook/2023/00.pdf>

Curriculum outline

The graduate school catalog 2023 in Japanese (& English) is available at the URL:

<http://www.tsukuba.ac.jp/education/g-courses/index.html>

[\(https://www.tsukuba.ac.jp/en/academics/g-courses-handbook/\)](https://www.tsukuba.ac.jp/en/academics/g-courses-handbook/)

The following information can be downloaded as pdf files from the above URL.

(1) Academic calendar (in English) (<https://www.tsukuba.ac.jp/en/academics/g-courses-handbook/2023/00.pdf>)

(2) General precautions concerning registration and course taking (in English)

(<https://www.tsukuba.ac.jp/en/academics/g-courses-handbook/2023/01.pdf>)

(3) Semester, Class hours, Registration (TWINS), Subject category, Achievement evaluation, Administration office etc.

(4) Degree Programs in Pure and Applied Sciences, **Master's Program** in Materials Science

Subject category and required number of credits

Subject category	Subject group	Subject	Number of credits
General Common Subjects	Basic Subjects	Colloquium on Pure and Applied Sciences Note (1)	1 (compulsory)
Fundamental Common Subjects	Specialized Basic Subjects	Specialized Basic Subjects for Materials Innovation	4 (compulsory)
Advanced Subjects	Advanced Common Subjects for Materials Innovation	Research IA, IB, IIA, IIB Open Seminar IA, IB, IIA, IIB	16 (compulsory)
Other		Except above subjects for Materials Innovation Except above Common Subjects for Pure and Applied Sciences Same research group Subjects (Need approval from Supervisor) General common subjects and subjects in the "Degree Programs of Pure and Applied Sciences" Other research group's Subjects (Need approval from Supervisor) General common subjects and subjects of other degree programs ^{Note (2)} Graduate General Education Courses ^{Note (2)}	9
Total			30

Note (1) For foreign students, "Science in Japan I" can be substituted for this credit with approval of supervisor.

Note (2) Approval by the teacher is required.

- Please **check KdB system** for the latest information because the opening semester of some subjects has changed from the spring semester to the fall semester.

- “**Research in MI IA, IB, IIA, IIB**” consists of individual research conducted in the research laboratory and the seminar in the master’s program.
- “The details of the “**Open Seminar IA, IB, IIA, IIB**” will be announced later. (held in June-July and December in the last year)

Student achievement in “Research” is comprehensively evaluated by the Director of Educational Affairs based on the opinion of the teacher, presentations, attendance, and submission of reports in the seminar in the master’s program. If the grade is below A, this may be regarded as a disadvantage for the student when job hunting.

(5) Doctoral Course

A total of 25 credits are needed to be earned from **Research in MI IIIA, IIIB, IVA, IVB, VA, VB** (each is compulsory). Similar to the master’s course, the doctoral course consists of individual research and the seminar in the doctoral program.

The details of “**Open Seminar IIIA, IIIB, IVA, IVB, VA, VB**” will be announced later. (held in June-July and December in the last year) **“Research Proposal” will be in Fall Semester of 2023.**

Taking the course of “INFOSS Information Ethics” (Very required)

Every student needs to take ‘INFOSS Information Ethics’ e-Learning Course through the University of Tsukuba e-Learning system “manaba”. Please follow <Student Registration Guide> at <https://oii.tsukuba.ac.jp/en/infoss-2/>.