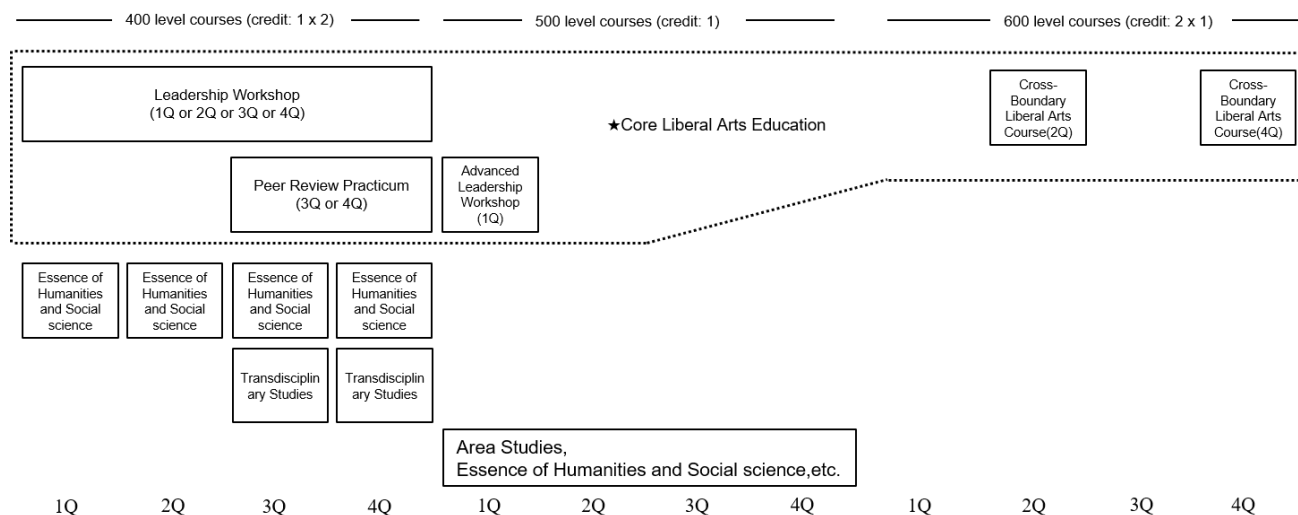## Humanities and social science courses

Among issues happening in the real world, there are no issues that can be solved by only one academic discipline. In order to make use of your specialized knowledge in everyday life, no matter how advanced your knowledge is, you have to have practical abilities such as taking leadership through involving with others, having holistic view about the position of your expertise in the world of academia, and acquiring knowledge about social and cultural backgrounds of many areas of the world. Our humanities and social science courses in the Master's and Doctoral degree program aim to foster these practical abilities and knowledge with "Humanity", "Social Skills" and "Creativity" at the core. The classes themselves are valuable opportunities to interact with students who have different academic backgrounds.

## Overview of Curriculum System

Tokyo Tech's "wedge-shaped style education" enables students to pursue liberal arts education in a phased manner throughout undergraduate and graduate programs. Students are encouraged to take 100-level to 600-level courses in order. As such, master's students must begin Humanities and Social Science courses at the 400 level (in 1Q/2Q of the first year for those entering in April, and 3Q/4Q for those entering in September), then proceed to 500-level courses (in 3Q/4Q or later for those entering in April, and 1Q/2Q of the following year or later for those entering in September).

Humanities and Social Science courses are divided into the following categories. There are one or more courses with different contents in one category. All are electives. Students can take more than one course from one category.



## Notes about taking humanities and social science courses:

■ In the master's degree program, humanities and social science courses have "pre-registration" system. Before classes start, students are asked to pre-register their desired courses, then placed in courses in accordance with the capacity of each course. Pre-registrations can be done twice a year (before 1Q & 2Q and 3Q & 4Q). Please note that the details will be announced at the guidances and by emails. Emails will be sent to "…@m.titech.ac.jp" addresses.

■ In the doctoral degree program, there is no "pre-registration" system. Should the number of applicants exceed the limit, however, a lottery system may be used to determine which students are admitted. Please check the syllabi for details. Also, please note that important notices, including lottery results (when lottery system is used), will be given by emails. Emails will be sent to "…@m.titech.ac.jp" addresses.

Students who enrolled in AY2022 or after cannot take the Path-Breaking Liberal Arts Courses (600-level, one credit).

They can only be taken by students who have taken at least one course (and earned one credit) in Humanities and Social Science courses* by AY2021. (*Examples: Path-Breaking Liberal Arts Courses 1A–4A, Independent Studies Courses 1A–4A, and Glocal Doctor Courses Y1–Y4. This also includes Japanese Language and Culture Courses for international students.)

Students admitted in or before AY2021 who have not completed a 600-level Humanities and Social Science course — as well as students who enrolled in AY2022 or later — should take Cross-Border Liberal Arts Courses (two credits awarded per course)

＜For International Students＞

Japanese Language and Culture Courses offered to international students can be recognized as equivalent to the Humanities and Social Science Courses of the corresponding course level.


■ The Website of Humanities and Social Science Courses:　http://bunkei.ila.titech.ac.jp/


**Table 1: Master's Degree Program courses (400 and 500 levels)**

| Course category | Course number | | | Course title | Credits | Competencies | Comments |
|---|---|---|---|---|---|---|---|
| **400 level** | LAH.A401 | | | 金融機関のデジタルイノベーション<br>(Digital Innovation in Financial Institutions) | 1-0-0 | 2,4,5 | |
| | LAH.A411 | | ★ | Linguistics D<br>（言語学 D) | 1-0-0 | 2,3,4,5 | |
| | LAH.A421 | | | 気候変動・生物多様性とファイナンス(Sustainable Finance in light of climate changes and biodiversity) | 1-0-0 | 1,2,4 | |
| | LAH.A422 | | | 人的資源管理論<br>(Human Resource Management) | 1-0-0 | 1,2,3,4,5 | |
| | LAH.C401 | | | リーダーシップ道場<br>(Leadership Workshop) | 1-0-0 | 2,3,4,5 | |
| | LAH.C402 | | | ピアレビュー実践<br>(Peer Review Practicum) | 0-1-0 | 2,3,4,5 | |
| | LAH.S402 | | | 文系エッセンス２：科学技術倫理<br>(Essence of Humanities and Social Sciences2:Ethics in Engineering) | 1-0-0 | 2,3,5 | |
| | LAH.S403 | | | 文系エッセンス３：宗教学<br>(Essence of Humanities and Social Sciences3:Religion) | 1-0-0 | 1,3,5 | |
| | LAH.S404 | | | 文系エッセンス４：社会学<br>(Essence of Humanities and Social Sciences4:Sociology) | 1-0-0 | 1,2,4 | |
| | LAH.S405 | | | 文系エッセンス５：文学<br>(Essence of Humanities and Social Sciences5:Literature) | 1-0-0 | 1,4,5 | |
| | LAH.S406 | | | 文系エッセンス６：経営システムデザイン<br>(Essence of Humanities and Social Sciences6:Business System Design) | 1-0-0 | 2,4 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | LAH.S407 | | | 文系エッセンス7：経済学<br>(Essence of Humanities and Social Sciences7:Economics) | 1-0-0 | 1,2 | |
| | LAH.S409 | | | 文系エッセンス9：政治学<br>(Essence of Humanities and Social Sciences9:Political Science) | 1-0-0 | 1,2,3,5 | |
| | LAH.S410 | | | 文系エッセンス10：サイエンス・ビジュアリゼーション<br>(Essence of Humanities and Social Sciences10:Science Visualization) | 1-0-0 | 2,3,5 | |
| | LAH.S411 | | | 文系エッセンス11：法学<br>(Essence of Humanities and Social Sciences11:Law) | 1-0-0 | 1,5 | |
| | LAH.S412 | | | 文系エッセンス12：ファッション論<br>(Essence of Humanities and Social Sciences12:History of Fashion) | 1-0-0 | 1,3,5 | |
| | LAH.S414 | | | 文系エッセンス14：歴史学<br>(Essence of Humanities and Social Sciences14:History) | 1-0-0 | 1,2,4 | |
| | LAH.S415 | | | 文系エッセンス15：科学技術社会論・科学技術政策<br>(Essence of Humanities and Social Sciences15:Science and Technology for Society) | 1-0-0 | 2,3 | |
| | LAH.S416 | | | 文系エッセンス16：技術史<br>(Essence of Humanities and Social Sciences16:History of Technology) | 1-0-0 | 2,4 | |
| | LAH.S417 | | | 文系エッセンス17：心理学<br>(Essence of Humanities and Social Sciences17:Psychology) | 1-0-0 | 2,4 | |
| | LAH.S420 | | ★ | Essence of Humanities and Social Sciences20:Western Thought<br>(文系エッセンス20：西洋思想) | 1-0-0 | 1,2,3,4 | |
| | LAH.S426 | | | 文系エッセンス26：国際関係論<br>(Essence of Humanities and Social Sciences26:International Relations) | 1-0-0 | 1,3,4 | |
| | LAH.S428 | | ★ | Essence of Humanities and Social Sciences28: 'Our' Sounds - Music,Society,Community<br>(文系エッセンス28：音楽と社会) | 1-0-0 | 2,3,4 | Cancelled on academic year 2023 |
| | LAH.S429 | | ★ | Essence of Humanities and Social Sciences29:'Other' Sounds - Music, Minorities, Japan<br>(文系エッセンス29：音楽と異文化) | 1-0-0 | 2,3,4 | Cancelled on academic year 2023 |
| | LAH.S430 | | | 文系エッセンス34：表象文化論<br>(Essence of Humanities and Social Sciences34:Studies of Culture and Representation) | 1-0-0 | 1,3,5 | |
| | LAH.S431 | | | 文系エッセンス35：メディア論<br>(Essence of Humanities and Social Sciences35:Media Studies) | 1-0-0 | 3,4,5 | |
| | LAH.S432 | | | 文系エッセンス36：哲学<br>(Essence of Humanities and Social Sciences36:Philosophy) | 1-0-0 | 2,4 | |
| | LAH.S433 | | | 文系エッセンス37：科学史<br>(Essence of Humanities and Social Sciences37:History of Science) | 1-0-0 | 2,3,4,5 | |
| | LAH.S434 | | | 文系エッセンス38：統計学<br>(Essence of Humanities and Social Sciences38:Statistics) | 1-0-0 | 1,2,4,5 | |
| | LAH.S437 | | | 文系エッセンス42：合意形成学<br>(Essence of Humanities and Social Sciences42:Consensus Building) | 1-0-0 | 2,3,4,5 | |
| | LAH.S440 | | ★ | Essence of Humanities and Social Sciences47: Decision Making D<br>（文系エッセンス47：意思決定論 | 1-0-0 | 2,3,4,5 | |

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|---|---|---|---|---|---|---|
| | | | D) | | | |
| | LAH.S441 | ★ | Essence of Humanities and Social Sciences48:History of Mathematical Sciences<br>（文系エッセンス４８：数理科学史） | 1-0-0 | 2 | |
| | LAH.S442 | ★ | Essence of Humanities and Social Sciences50:Nationalism Studies<br>（文系エッセンス５０:ナショナリズム概論) | 1-0-0 | 2,4 | |
| | LAH.S443 | | 文系エッセンス５１：未来社会論<br>(Essence of Humanities and Social Sciences51:Studies on Future Society) | 1-0-0 | 2,3,4,5 | |
| | LAH.S444 | ★ | Essence of Humanities and Social Sciences52:American studies<br>（文系エッセンス５２：アメリカ学) | 1-0-0 | 2,4,5 | |
| | LAH.S445 | | 文系エッセンス５３：コミュニケーション論<br>(Essence of Humanities and Social Sciences53:Communication) | 1-0-0 | 3,5 | |
| | LAH.T406 | | 横断科目６：長寿社会と生命<br>(Transdisciplinary studies 6:Longevity Society and Life) | 1-0-0 | 3,5 | |
| | LAH.T416 | | 横断科目１６：社会のなかの科学技術<br>(Transdisciplinary studies 16:Science and Technology in Society) | 1-0-0 | 4,5 | |
| | LAH.T417 | | 横断科目１７：未来のスポーツ・健康科学<br>(Transdisciplinary studies 17:Future of Sports and Health Science) | 1-0-0 | 1,2,3,4,5 | |
| | LAH.T420 | | 横断科目２０：歴史に学ぶ数学<br>（Transdisciplinary studies20 :Mathematics Learn from History) | 1-0-0 | 2 | Cancelled on academic year 2023 |
| | LAH.T421 | | 横断科目２１：未来社会デザイン論<br>（Transdisciplinary studies 21:Design of the future society) | 1-0-0 | 1,3,4,5 | |
| | LAH.T422 | | 横断科目２２：水俣病から考える<br>(Transdisciplinary studies 22:Thinking from Minamata disease) | 1-0-0 | 1,4 | |
| | LAH.T423 | | 横断科目２３：東工大のキャンパスに親しむ(Transdisciplinary studies 23:Getting familiar with Tokyo Tech campuses) | 1-0-0 | 2,4,5 | |
| **500 level** | LAH.A501 | | 世界を知る：ヨーロッパ<br>(Area Studies: Europe) | 1-0-0 | 1,2,4 | |
| | LAH.A502 | | 世界を知る：東アジア<br>(Area Studies: East Asia) | 1-0-0 | 2,3 | |
| | LAH.A503 | | 世界を知る：中南米<br>(Area Studies: Latin America) | 1-0-0 | 2,3 | |
| | LAH.A504 | | 世界を知る：中東・アフリカ<br>(Area Studies: Middle East and Africa) | 1-0-0 | 2,4 | |
| | LAH.A505 | | 世界を知る：南・東南アジア<br>(Area Studies: South and Southeast Asia) | 1-0-0 | 2,4 | |
| | LAH.A506 | | 世界を知る：北米・オセアニア<br>(Area Studies: North America and Oceania) | 1-0-0 | 1,2,3,4 | |
| | LAH.A521 | | 心身のタフネス<br>(Strategy for Mental and Physical Health) | 1-0-0 | 2,3,5 | |
| | LAH.A532 | | 分散型金融システムの経済学<br>(Decentralized Financial System and Economics) | 1-0-0 | 2,3,4 | |
| | LAH.A533 | | AIテックスタートアップ実践講座<br>(Practical course for AI technology startup) | 1-0-0 | 2,3,4,5 | |

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|---|---|---|---|---|---|---|
| | LAH.A534 | | | 科学技術のデュアルユース問題と ELSI<br>(ELSI of Dual Use in Science and Technology) | 1-0-0 | 2,3,4 | |
| | LAH.C501 | | | リーダーシップアドバンス<br>(Advanced Leadership Workshop) | 0-1-0 | 3,4,5 | |
| | LAH.S501 | | | 文系エッセンス２３：医療から見る社会<br>(Essence of Humanities and Social Sciences23:Contemporary Society Viewed from Medical Care) | 1-0-0 | 2,3,4 | |
| | LAH.S502 | | | 文系エッセンス２４：社会思想史<br>(Essence of Humanities and Social Sciences24:History of Social Thought) | 1-0-0 | 2,3,4,5 | |
| | LAH.S503 | | | 文系エッセンス２５：メディア心理学<br>(Essence of Humanities and Social Sciences25:Media Psychology) | 1-0-0 | 1,3,4,5 | |
| | LAH.S504 | | ★ | Essence of Humanities and Social Sciences30:Japanese Poetry<br>(文系エッセンス３０：日本の詩) | 1-0-0 | 2,3 | |
| | LAH.S506 | | ★ | Essence of Humanities and Social Sciences32: Peace Studies<br>(文系エッセンス３２：平和学) | 1-0-0 | 2,3,4,5 | |
| | LAH.S508 | | ★ | Essence of Humanities and Social Sciences39:Decision Making E<br>(文系エッセンス３９：意思決定論 E) | 1-0-0 | 2,3,4,5 | |
| | LAH.S510 | | | 文系エッセンス４５：シミュレーション社会科学<br>(Essence of Humanities and Social Sciences45:Social Sciences with Evolutionary Simulation) | 1-0-0 | 1,2,4 | |
| | LAH.S511 | | ★ | Essence of Humanities and Social Sciences49:The Psychology of Relationships<br>（文系エッセンス４９：人間関係の心理学） | 1-0-0 | 2,3,5 | |
| | LAH.S512 | | | 文系エッセンス54:地球市民のためのエコロジーとスピリチュアリティ<br>(Essence of Humanities and Social Sciences54:Ecology and spirituality for global citizen) | 1-0-0 | 2,3,5 | |
| | LAH.A541 | | ★ | Glocal Japan Y1<br>(グローカル日本 Y1) | 1-0-0 | 1,2,3,4,5 | The details will be announced by bulletin board or on the web when an opening of the course is decided. The details will be announced on the web. |
| | LAH.A542 | | ★ | Glocal Japan Y2<br>(グローカル日本 Y2) | 1-0-0 | 1,2,3,4,5 | The details will be announced by bulletin board or on the web when an opening of the course is decided. The details will be announced on the web. |
| | LAH.A551 | | ★ | Linguistics E<br>（言語学E） | 1-0-0 | 2,3,4,5 | |

Note：

• **★ : offered in English in principle**, O：odd academic years, E：even academic years

• Competencies: 1 = Specialist skills, 2 = Liberal arts skills, 3 = Communication skills, 4 = Applied skills (inquisitive thinking and/or problem-finding skills), 5 = Applied skills (practical and/or problem-solving skills)

• The character preceding the three digits in the course number denotes the course's subdiscipline (i.e., "C" represents the subdiscipline

code in the course number LAH.C401.L): C (Core liberal arts education), H (Humanities), S (Social Science), T (Transdisciplinary), and A (Others).

**Table 2: Doctoral Degree Program courses (600 level)**

| Course category | Course number | Course title | | Credits | Competencies | Comments |
|---|---|---|---|---|---|---|
| **600 level** | LAH.C616 | ★ | Path-Breaking Liberal Arts Courses (教養先端科目) | 0-1-0 | 2,3,4,5 | |
| | LAH.C631 | ★ | Cross-Boundary Liberal Arts Course (越境型教養科目) | 0-2-0 | 2,3,4,5 | |
| | LAH.C617 | ★ | Global Camp 1 (グローバル・キャンプ 1) | 1-1-0 | 1,2,3,4,5 | The course is for students enrolled in the international training programs including the spring school etc. The course is for students enrolled in the spring school etc. |
| | LAH.C618 | ★ | Global Camp 2 (グローバル・キャンプ 2) | 1-1-0 | 1,2,3,4,5 | The course is for students enrolled in the international training programs including the spring school etc. The course is for students enrolled in the spring school etc. |
| | LAH.C619 | ★ | Glocal Doctor Japan Y1 (グローカル・ドクター日本 Y1) | 1-0-0 | 1,2,3,4,5 | The details will be announced by bulletin board or on the web when an opening of the course is decided. The details will be announced on the web. |
| | LAH.C620 | ★ | Glocal Doctor Japan Y2 (グローカル・ドクター日本 Y2) | 1-0-0 | 1,2,3,4,5 | The details will be announced by bulletin board or on the web when an opening of the course is decided. The details will be announced on the web. |
| | LAH.C623 | ★ | Glocal Doctor Japan Y3 (グローカル・ドクター日本Y3) | 1-0-0 | 1,2,3,4,5 | The details will be announced by bulletin board or on the web when an opening of the course is decided. The details will be announced on the web. |
| | LAH.C624 | ★ | Glocal Doctor Japan Y4 (グローカル・ドクター日本Y4) | 1-0-0 | 1,2,3,4,5 | The details will be announced by bulletin board or on the web when an opening of the course is decided. The details will be announced on the web. |

Note :

• ★ : **offered in English in principle**,　O：odd academic years,　E：even academic years

• Competencies:　1 = Specialist skills,　2 = Liberal arts skills,　3 = Communication skills, 4 = Applied skills (inquisitive thinking and/or problem-finding skills),　5 = Applied skills (practical and/or problem-solving skills)

• The character preceding the three digits in the course number denotes the course's subdiscipline (i.e., "C" represents the subdiscipline code in the course number LAH.C601.L): C (Core liberal arts education), H (Humanities), S (Social Science), T (Transdisciplinary), and A (Others).

★: Language used: English

◆Important reminder◆Please check the timetable and syllabi for the latest information such as the type of classes and the campuses.

| Category \ Level | Humanities<br>Courses that explore humans and culture | Social Sciences<br>Courses related to structure of society | Transdisciplinary Studies<br>Courses that combine humanistic and scientific studies |
|---|---|---|---|
| 400 | Leadership Workshop | | |
| | Peer Review Practicum | | |
| | Essence of Humanities and Social Sciences3:Religion | Digital Innovation in Financial Institutions | Linguistics D★ |
| | Essence of Humanities and Social Sciences5:Literature | Sustainable Finance in light of climate changes and biodiversity | Essence of Humanities and Social Sciences2:Ethics in Engineering |
| | Essence of Humanities and Social Sciences14:History | Human Resource Management | Essence of Humanities and Social Sciences15:Science and Technology for Society |
| | Essence of Humanities and Social Sciences20:Western Thought★ | Essence of Humanities and Social Sciences4:Sociology | Essence of Humanities and Social Sciences16:History of Technology |
| | Essence of Humanities and Social Sciences28:'Our' Sounds - Music, Society, Community★ | Essence of Humanities and Social Sciences6:Business System Design | Essence of Humanities and Social Sciences37:History of Science |
| | Essence of Humanities and Social Sciences29:'Other' Sounds - Music, Minorities, Japan★ | Essence of Humanities and Social Sciences7:Economics | Essence of Humanities and Social Sciences38:Statistics |
| | Essence of Humanities and Social Sciences34:Studies of Culture and Representation | Essence of Humanities and Social Sciences9:Political Science | Essence of Humanities and Social Sciences42:Consensus Building |
| | Essence of Humanities and Social Sciences36:Philosophy | Essence of Humanities and Social Sciences10:Science Visualization | Essence of Humanities and Social Sciences47:Decision Making D★ |
| | Essence of Humanities and Social Sciences53:Communication | Essence of Humanities and Social Sciences11:Law | Essence of Humanities and Social Sciences48:History of Mathematical Sciences★ |
| | | Essence of Humanities and Social Sciences12:History of Fashion | Essence of Humanities and Social Sciences51:Studies on Future Society |
| | | Essence of Humanities and Social Sciences17:Psychology | Transdisciplinary studies 6:Longevity Society and Life |
| | | Essence of Humanities and Social Sciences26:International Relations | Transdisciplinary studies 16:Science and Technology in Society |
| | | Essence of Humanities and Social Sciences35:Media Studies | Transdisciplinary studies 17:Future of Sports and Health Science |
| | | Essence of Humanities and Social Sciences50:Nationalism Studies★ | Transdisciplinary studies20 :Mathematics Learn from History |
| | | Essence of Humanities and Social Sciences52:American studies★ | Transdisciplinary studies 21:Design of the future society |
| | | | Transdisciplinary studies 22:Thinking from Minamata disease |
| | | | Transdisciplinary studies 23:Getting familiar with Tokyo Tech campuses |
| 500 | Advanced Leadership Workshop | | |
| | Area Studies: Europe | Decentralized Financial System and Economics | Strategy for Mental and Physical Health |
| | Area Studies: East Asia | Practical course for AI technology startup | Linguistics E ★ |
| | Area Studies: Latin America | Essence of Humanities and Social Sciences23:Contemporary Society Viewed from Medical Care | Essence of Humanities and Social Sciences39:Decision Making E★ |
| | Area Studies: Middle East and Africa | Essence of Humanities and Social Sciences25:Media Psychology | Essence of Humanities and Social Sciences45:Social Sciences with Evolutionary Simulation |
| | Area Studies: South and Southeast Asia | Essence of Humanities and Social Sciences32:Peace Studies★ | ELSI of Dual Use in Science and Technology |
| | Area Studies: North America and Oceania | | Glocal Japan Y1(Intensive course)★ |
| | Essence of Humanities and Social Sciences24:History of Social Thought | | Glocal Japan Y2(Intensive course)★ |
| | Essence of Humanities and Social Sciences30:Japanese Poetry★ | | |
| | Essence of Humanities and Social Sciences49:The Psychology of Relationships★ | | |
| | Essence of Humanities and Social Sciences54:Ecology and spirituality for global citizen | | |