

List of MOOCs Pre-Approved for Credit Transfer

SN	Platform	Course Title	Content Developer	Equivalent AU	Course Type	For enrolment date effective from	Free for NTU students
1	Coursera	Applied Social Network Analysis in Python	University of Michigan	1	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	Yes
2	Coursera	Circular Economy – Sustainable Materials Management	Lund University	1	UE / BDE : All programmes	19 Aug 2020	No
3	Coursera	Energy, Environment, and Everyday Life	University of Illinois at Urbana-Champaign	2	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	No
4	Coursera	Fundamentals of GIS	University of California Davis	1	GER-PE (STS) : All programmes except EESS, ESPP UE / BDE : All programmes except EESS, ESPP	19 Aug 2020	No
5	Coursera	Gamification	University of Pennsylvania	1	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	No
6	Coursera	GIS Data Acquisition and Map Design	University of Toronto	1	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	Yes
7	Coursera	Global Arctic	École Polytechnique Fédérale de Lausanne	1	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	No
8	Coursera	Global Warming II: Create Your Own Models in Python	University of Chicago	1	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	No
9	Coursera	Greek and Roman Mythology	University of Pennsylvania	1	GER-PE (LA) / UE / BDE : All programmes	19 Aug 2020	No
10	Coursera	Innovation: From Creativity to Entrepreneurship Specialization (There are 7 courses in this Specialization)	University of Illinois at Urbana-Champaign	3	GER-PE (BM) : All programmes except ACC, BUS, ACBS, BCE, BCG and except students in CN Yang Scholars Programme and University Scholars Programme UE / BDE: All programmes except students in CN Yang Scholars Programme and University Scholars Programme	19 Aug 2020	No
11	Coursera	Introduction to Big Data (1 of 6 courses of Big Data Specialisation)	University of California San Diego	1	GER-PE (STS) : SSM only UE / BDE: All programmes under NIE and NBS (except ACDA)	19 Aug 2020	No

The information provided is accurate as of date of publication. Please check the MOOC platform website on fees payable (if any) upon enrolment and completion.

SN	Platform	Course Title	Content Developer	Equivalent AU	Course Type	For enrolment date effective from	Free for NTU students
12	Coursera	Withdrawn Introduction to Climate Change and Health	Yale University	1	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020 – 18 July 2023	N.A
13	Coursera	Introduction to High-Throughput Materials Development	Georgia Institute of Technology	1	MPE : MAT, MTEC and REP (MAT specialisation) UE / BDE: All programmes	19 Aug 2020	No
14	Coursera	Moral Foundations of Politics	Yale University	2	GER-PE (LA) / UE / BDE : All programmes	19 Aug 2020	Yes
15	Coursera	Organizational Analysis	Stanford University	1	GER-PE (LA) / UE / BDE : All programmes	19 Aug 2020	No
16	Coursera	Our Energy Future	University of California San Diego	2	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	No
17	Coursera	Planet Earth...and You!	University of Illinois at Urbana-Champaign	2	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	No
18	Coursera	Positive Psychology: Character, Grit and Research Methods	University of Pennsylvania	1	GER-PE (LA) / UE / BDE : All programmes	19 Aug 2020	No
19	Coursera	The Science of Well-Being	Yale University	1	GER-PE (LA) / UE / BDE : All programmes	19 Aug 2020	Yes
20	Coursera	Transmission Electron Microscopy for Materials Science	École Polytechnique Fédérale de Lausanne	2	MPE : MAT, MTEC and REP (MAT specialisation) UE / BDE: All programmes	19 Aug 2020	No
21	Coursera	Ubiquitous Learning and Instructional Technologies	University of Illinois at Urbana-Champaign	1	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	No
22	Coursera	Withdrawn Understanding Russians: Contexts of Intercultural Communication	National Research University Higher School of Economics	1	GER-PE (LA) / UE / BDE : All programmes	19 Aug 2020 – 06 Feb 2023	N.A.
23	Coursera	Withdrawn Machine Learning (Single course) - Note: This is not part of Machine Learning Specialisation. Machine Learning Specialisation is <u>not</u> applicable for credit transfer.	Stanford University	2	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020 – 30 Nov 2022	N.A.
24	edX	A Hands-on Introduction to Engineering Simulations	Cornell University	1	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	No
25	edX	Ancient Masterpieces of World Literature	Harvard University	1	GER-PE (LA) / UE / BDE : All programmes	19 Aug 2020	No

The information provided is accurate as of date of publication. Please check the MOOC platform website on fees payable (if any) upon enrolment and completion.

SN	Platform	Course Title	Content Developer	Equivalent AU	Course Type	For enrolment date effective from	Free for NTU students
26	edX	Becoming a More Equitable Educator: Mindsets and Practices	Massachusetts Institute of Technology	2	GER-PE (LA) / UE / BDE : All programmes	19 Aug 2020	No
27	edX	Big Data and Education	University of Pennsylvania	3	GER-PE (STS) : SSM, all programmes under ADM, SOH, SSS, WKW SCI, ASE and SBS UE / BDE : All programmes under NIE, ADM, SOH, SSS (except ECDS), WKW SCI, ASE, SBS and NBS (except ACDA)	19 Aug 2020	No
28	edX	Bitcoin and Cryptocurrencies	University of California Berkeley	1	GER-PE (STS) / UE / BDE : All programmes ACBS, BUS and ACC students taking this MOOC would not be allowed to take BF3223 and vice versa (wef AY2021-2022)	19 Aug 2020	No
29	edX	Blockchain Technology	University of California Berkeley	1	GER-PE (STS) : All programmes except CSC, CE, DSAI, BCE, BCG, CSEC, CEEC and REP (CE/CSC specialisation) UE / BDE : All programmes except CSC, CE, DSAI, BCE, BCG, ACDA, ECDS, CSEC, CEEC and REP (CE/CSC specialisation) ACBS, BUS and ACC students taking this MOOC would not be allowed to take BF3223 and vice versa (wef AY2021-2022)	19 Aug 2020	No
30	edX	Circular Economy: An Introduction	Delft University of Technology	1	GER-PE (BM) : All programmes except ACC, BUS, ACBS, BCE, BCG UE / BDE : All programmes	19 Aug 2020	No
31	edX	Climate Change: Financial Risks and Opportunities	Imperial College London	1	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	No
32	edX	Global warming science	Massachusetts Institute of Technology	2	GER-PE (STS) : All programmes except EESS, ESPP UE / BDE : All programmes except EESS, ESPP	19 Aug 2020	No
33	edX	Justice	Harvard University	2	GER-PE (LA) / UE / BDE : All programmes	19 Aug 2020	No

The information provided is accurate as of date of publication. Please check the MOOC platform website on fees payable (if any) upon enrolment and completion.

SN	Platform	Course Title	Content Developer	Equivalent AU	Course Type	For enrolment date effective from	Free for NTU students
34	edX	Launching Innovation in Schools	Massachusetts Institute of Technology & Microsoft Education	2	UE / BDE : All programmes	19 Aug 2020	No
35	edX	The Analytics Edge	Massachusetts Institute of Technology	3	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	No
36	edX	Tropical Coastal Ecosystems	The University of Queensland	2	GER-PE (STS) / UE / BDE : All programmes	19 Aug 2020	No
37	FutureLearn	Big Data: Measuring And Predicting Human Behaviour	The University of Warwick	2	GER-PE (STS) / UE / BDE : All programmes except ECDS	19 Aug 2020	No
38	Coursera	From Data to Insights with Google Cloud Platform Specialization (There are 4 courses in this Specialization)	Google Cloud	1	UE / BDE : All programmes	22 Jan 2021	No
39	Coursera	A Business Approach to Sustainable Landscape Restoration	Erasmus University Rotterdam	1	UE / BDE : All programmes	25 Jul 2021	Yes
40	Coursera	Business Model Innovation for Sustainable Landscape Restoration	Erasmus University Rotterdam	1	UE / BDE : All programmes	25 Jul 2021	Yes
41	Open edX	F1Tenth (Refer to Annex A for more details)	University of Pennsylvania & NTU	3	UE / BDE : All programmes	20 Aug 2021	No
42	Coursera	Advanced Neurobiology I	Peking University	1	UE / BDE : All programmes	12 Jan 2022	Yes
43	Coursera	Advanced Neurobiology II	Peking University	1	UE / BDE : All programmes	12 Jan 2022	Yes
44	Coursera	Anatomy: Musculoskeletal and Integumentary Systems	University of Michigan	1	UE / BDE : All programmes	12 Jan 2022	Yes
45	Coursera	Applying Participatory Approaches in Public Health Settings	Imperial College London	1	UE / BDE : All programmes	12 Jan 2022	Yes
46	Coursera	Design and Implementation of Digital Health Interventions	Imperial College London	1	UE / BDE : All programmes	12 Jan 2022	Yes
47	Coursera	Evaluation of Digital Health Interventions	Imperial College London	1	UE / BDE : All programmes	12 Jan 2022	Yes
48	Coursera	Health Systems Development: Introduction to Health Systems	Imperial College London	1	UE / BDE : All programmes	12 Jan 2022	Yes
49	Coursera	Healthcare Entrepreneurship: Taking Ideas to Market	Imperial College London	1	UE / BDE : All programmes	12 Jan 2022	Yes
50	Coursera	Introduction to Complexity Science	Nanyang Technological University Singapore	1	UE / BDE : All programmes	12 Jan 2022	Yes

The information provided is accurate as of date of publication. Please check the MOOC platform website on fees payable (if any) upon enrolment and completion.

SN	Platform	Course Title	Content Developer	Equivalent AU	Course Type	For enrolment date effective from	Free for NTU students
51	Coursera	Introduction to Digital Health	Imperial College London	1	UE / BDE : All programmes	12 Jan 2022	Yes
52	Coursera	Introduction to Genetics and Evolution	Duke University	1	UE / BDE : All programmes	12 Jan 2022	Yes
53	FutureLearn	Understanding Quantum Computers	Keio University	1	UE / BDE : All programmes	8 Jul 2022	Yes
54	Coursera	Learning How to Learn and Mindshift: Breaking Through Obstacles to Learning and Discover your Hidden Potential (Refer to Annex B for more details)	Deep Teaching Solutions & McMaster University	1	UE / BDE : All programmes	22 Aug 2022	No
55	FutureLearn	Airway Matters	University College London	1	UE / BDE : All programmes	2 Mar 2023	Yes
56	FutureLearn	DNA, Genetics, and Genomics: Understanding their Importance in Health and Cancer (There are 3 courses in this Specialization ExpertTrack)	University of Glasgow	2	GER-PE (STS) / UE / BDE : All programmes	2 Mar 2023	No
57	FutureLearn	The Discovery of the Higgs Boson Particle	The University of Edinburgh	1	UE / BDE : All programmes	2 Mar 2023	No
58	Coursera	A Journey through Western Christianity: from Persecuted Faith to Global Religion (200 - 1650)	Yale University	1	UE / BDE : All programmes	1 May 2023	Yes
59	Coursera	Act on Climate: Steps to Individual, Community, and Political Action	University of Michigan	1	UE / BDE : All programmes	1 May 2023	Yes
60	Coursera	Designing Learning Innovation	Politecnico di Milano	1	UE / BDE : All programmes	1 May 2023	Yes
61	Coursera	Global Health Security, Solidarity and Sustainability through the International Health Regulations	University of Geneva	1	UE / BDE : All programmes	1 May 2023	Yes
62	Coursera	Indigenous Religions & Ecology	Yale University	1	UE / BDE : All programmes	1 May 2023	Yes
63	Coursera	Introduction to Negotiation: A Strategic Playbook for Becoming a Principled and Persuasive Negotiator	Yale University	1	UE / BDE : All programmes	1 May 2023	Yes
64	Coursera	Introduction to Programming and Animation with Alice	Duke University	2	UE / BDE : All programmes	1 May 2023	Yes
65	Coursera	Leading Innovation in Arts and Culture	Vanderbilt University	1	UE / BDE : All programmes	1 May 2023	Yes

The information provided is accurate as of date of publication. Please check the MOOC platform website on fees payable (if any) upon enrolment and completion.

SN	Platform	Course Title	Content Developer	Equivalent AU	Course Type	For enrolment date effective from	Free for NTU students
66	Coursera	Motivating Gen Z Learners: What Parents and Teachers Need to Know	National Institute of Education (NIE)	1	GER-PE (STS) / GER-PE (LA) / GER-PE (BM) / UE / BDE : All programmes	1 May 2023	Yes
67	Coursera	Religion and Thought in Modern China: the Song, Jin, and Yuan	The Chinese University of Hong Kong	1	UE / BDE : All programmes	1 May 2023	Yes
68	Coursera	Sampling People, Networks and Records	University of Michigan	1	UE / BDE : All programmes	1 May 2023	Yes
69	Coursera	Simulation and modeling of natural processes	University of Geneva	1	UE / BDE : All programmes	1 May 2023	Yes
70	Coursera	Structuring Values in Modern China	The Chinese University of Hong Kong	1	UE / BDE : All programmes	1 May 2023	Yes
71	Coursera	The Evolving Universe	California Institute of Technology (Caltech)	2	UE / BDE : All programmes	1 May 2023	Yes
72	Coursera	The Finite Element Method for Problems in Physics	University of Michigan	2	UE / BDE : All programmes	1 May 2023	Yes
73	Coursera	The Science of the Solar System	California Institute of Technology (Caltech)	1	UE / BDE : All programmes	1 May 2023	Yes
74	Coursera	The Worldview of Thomas Berry: The Flourishing of the Earth Community	Yale University	1	UE / BDE : All programmes	1 May 2023	Yes
75	Coursera	What does it mean to identify as Transgender or Gender Non-Conforming (TGNC)?	University of Minnesota	1	UE / BDE : All programmes	1 May 2023	Yes
76	FutureLearn	Agriculture, Economics and Nature	The University of Western Australia	1	UE / BDE : All programmes	1 May 2023	Yes
77	FutureLearn	Digital Marketing: Coding, UX, and Creating Digital Content (There are 4 courses in this Specialization ExpertTrack) Note: Students are recommended to read 'SC1003 Introduction to Computational Thinking and Programming' (or equivalent course) before enrolling in this MOOC.	University of Leeds	1	UE / BDE : All programmes	1 May 2023	No

SN	Platform	Course Title	Content Developer	Equivalent AU	Course Type	For enrolment date effective from	Free for NTU students
78	FutureLearn	Functional Programming in Haskell: Supercharge Your Coding Note: Students are recommended to read 'SC1003 Introduction to Computational Thinking and Programming' (or equivalent course) before enrolling in this MOOC.	University of Glasgow	1	UE / BDE : All programmes	1 May 2023	No
79	FutureLearn	Literature in the Digital Age: from Close Reading to Distant Reading	University of Basel	1	UE / BDE : All programmes	1 May 2023	No
80	Coursera	Cloud Computing Foundations	Duke University	1	UE / BDE : All programmes	8 May 2023	Yes
81	Coursera	Essentials of Global Health	Yale University	2	GER-PE (STS) / UE / BDE : All programmes	8 May 2023	Yes
82	Coursera	FPGA Computing Systems: Background Knowledge and Introductory Materials	Politecnico di Milano	2	UE / BDE : All programmes	8 May 2023	Yes
83	Coursera	Introduction to Medical Software	Yale University	1	GER-PE (STS) / UE / BDE : All programmes	8 May 2023	Yes
84	Coursera	Introductory Human Physiology	Duke University	1	GER-PE (STS) / UE / BDE : All programmes	8 May 2023	Yes
85	Coursera	Medical Neuroscience	Duke University	2	GER-PE (STS) / UE / BDE : All programmes	8 May 2023	Yes
86	FutureLearn	Demystifying Mindfulness	Leiden University	3	UE / BDE : All programmes	8 May 2023	No
87	FutureLearn	Next Generation Biosecurity: Responding to 21st Century Biorisks	University of Bath	1	UE / BDE : All programmes	8 May 2023	Yes
88	FutureLearn	Partnering for Change: Link Research to Societal Challenges	University of Basel	1	UE / BDE : All programmes	8 May 2023	No
89	FutureLearn	The Mind is Flat: The Shocking Shallowness of Human Psychology	University of Warwick	1	UE / BDE : All programmes	8 May 2023	No
90	Coursera	Financial Markets	Yale University	1	UE / BDE : All programmes except ACC, BUS, ACBS, BCE, BCG with specialization in Banking and Finance	11 May 2023	Yes
91	Coursera	High Stakes Leadership: Leading in Times of Crisis	University of Michigan	1	UE / BDE : All programmes	11 May 2023	Yes
92	FutureLearn	Blended Learning Essentials: Getting Started	University of Leeds	1	UE / BDE : All programmes	16 May 2023	No

The information provided is accurate as of date of publication. Please check the MOOC platform website on fees payable (if any) upon enrolment and completion.

SN	Platform	Course Title	Content Developer	Equivalent AU	Course Type	For enrolment date effective from	Free for NTU students
93	Coursera	Building Database Applications in PHP <i>Note:</i> Students are recommended to read 'SC2207 Introduction to Databases' (or equivalent course) before enrolling in this MOOC.	University of Michigan	1	UE / BDE : All programmes	17 May 2023	Yes
94	Coursera	Information Theory	The Chinese University of Hong Kong	1	UE / BDE : All programmes	17 May 2023	Yes
95	Coursera	Introduction to Recommender Systems: Non-Personalized and Content-Based <i>Note:</i> Students are recommended to read 'SC2002 Object Oriented Design & Programming' (or equivalent course) before enrolling in this MOOC.	University of Minnesota	1	UE / BDE : All programmes	17 May 2023	Yes
96	Coursera	Introduction to Software Testing <i>Note:</i> Students are recommended to read 'SC2002 Object Oriented Design & Programming' (or equivalent course) before enrolling in this MOOC.	University of Minnesota	1	UE / BDE : All programmes	17 May 2023	Yes
97	Coursera	Java for Android <i>Note:</i> Students are recommended to read 'SC2002 Object Oriented Design & Programming' (or equivalent course) before enrolling in this MOOC.	Vanderbilt University	1	UE / BDE : All programmes	17 May 2023	Yes
98	Coursera	VLSI CAD Part I: Logic <i>Note:</i> Students are recommended to read 'SC1003 Introduction to Computational Thinking and Programming' (or equivalent course) before enrolling in this MOOC.	University of Illinois at Urbana-Champaign	1	UE / BDE : All programmes	13 Sept 2023	No

The information provided is accurate as of date of publication. Please check the MOOC platform website on fees payable (if any) upon enrolment and completion.

SN	Platform	Course Title	Content Developer	Equivalent AU	Course Type	For enrolment date effective from	Free for NTU students
99	Coursera	VLSI CAD Part II: Layout <u>Note:</u> ▪ Students are recommended to read 'SC1003 Introduction to Computational Thinking and Programming' (or equivalent course) before enrolling in this MOOC. ▪ Students should complete 'VLSI CAD Part I: Logic' (Coursera) before enrolling in this MOOC.	University of Illinois at Urbana-Champaign	1	UE / BDE : All programmes	13 Sept 2023	No
100	edX	Automata Theory <u>Note:</u> Students are recommended to read 'MH1812 Discrete Mathematics' (or equivalent course) before enrolling in this MOOC.	Stanford University	2	UE / BDE : All programmes	13 Sept 2023	No
101	Coursera	Building Web Applications in PHP <u>Note:</u> Students are recommended to read 'SC1003 Introduction to Computational Thinking and Programming' (or equivalent course) before enrolling in this MOOC.	University of Michigan	1	UE / BDE : All programmes	18 Sept 2023	Free
102	Coursera	JavaScript, jQuery, and JSON <u>Note:</u> Students are recommended to read 'SC1003 Introduction to Computational Thinking and Programming' (or equivalent course) before enrolling in this MOOC.	University of Michigan	1	UE / BDE : All programmes	18 Sept 2023	Free

Notes:

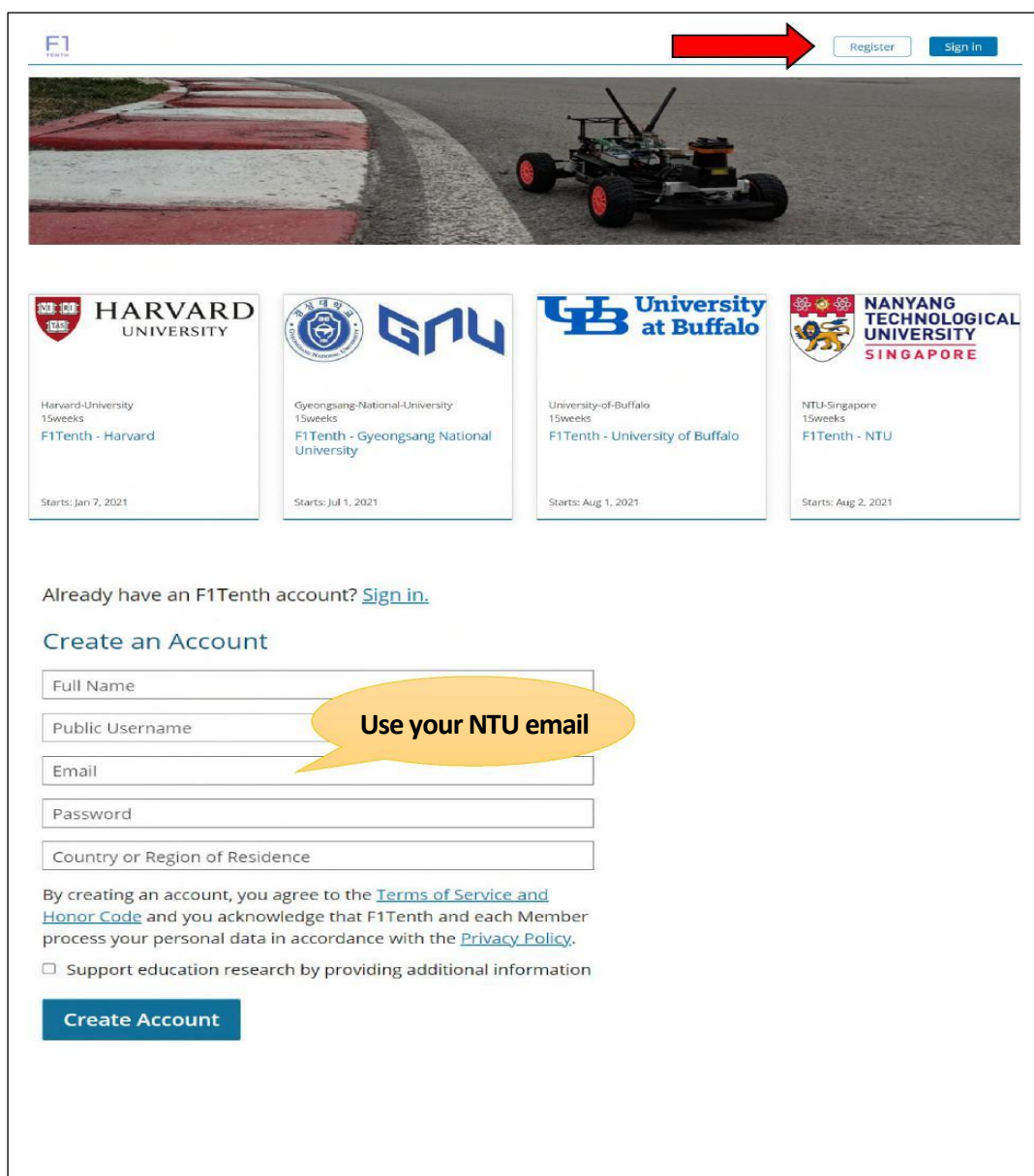
1. The course type GER-PE (STS) for NBS students is applicable to only those admitted in AY17 and earlier.
2. Maximum of 3 AU of UE for ARED and SCED students, and maximum of 12 AU of UE/GER-PE/BDE for SSM students. The course type GER-PE/BDE is not applicable to ARED and SCED students.
3. Credit transfer and this list of MOOCs pre-approved for credit transfer are not applicable to LKCMedicine students.
4. The table above is sorted in the order of Enrolment date, Platform, Course Title and Content Developer in alphabetical order.
5. Courses with free certification can be found in **Coursera Campus for NTU students** website (<https://www.coursera.org/programs/coursera-for-ntu-students-iasyo>). Student must register for an account using NTU email address.

Credit Transfer Guide for F1Tenth – NTU MOOC

Step 1 – Account Registration

Register at the following website, <https://courses.f1tenth.org/>, with your **NTU email ID**.

Fill in your details accordingly and **remember** to use your **NTU email ID**



F1Tenth

Register Sign in

HARVARD UNIVERSITY
Harvard-University
15weeks
F1Tenth - Harvard
Starts: Jan 7, 2021

GNU
Gyeongsang-National-University
15weeks
F1Tenth - Gyeongsang National University
Starts: Jul 1, 2021

University of Buffalo
University-of-Buffalo
15weeks
F1Tenth - University of Buffalo
Starts: Aug 1, 2021

NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE
NTU-Singapore
15weeks
F1Tenth - NTU
Starts: Aug 2, 2021

Already have an F1Tenth account? [Sign in.](#)

Create an Account

Full Name

Public Username

Email

Password

Country or Region of Residence

By creating an account, you agree to the [Terms of Service and Honor Code](#) and you acknowledge that F1Tenth and each Member process your personal data in accordance with the [Privacy Policy](#).

☐ Support education research by providing additional information

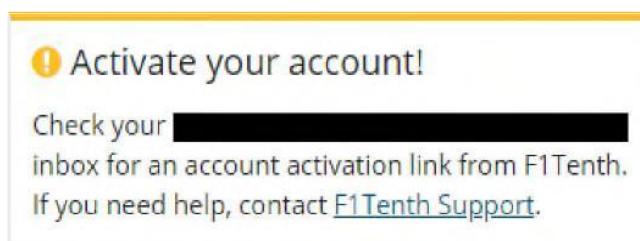
Create Account

Annex A

Step 2 – Course Enrolment

Select the corresponding F1Tenth course offered in conjunction with NTU and enrol. Once you have successfully enrolled into the course, it should show up in your “My Courses” tab. You will be required to take a screenshot of your **Welcome Email** which states the enrolment date.

My Courses



Troubleshooting:

If you do not receive the activation email from the system, log out and try logging in again. The system should prompt for you to “activate your account” before you can sign in. What you will need to do now is to

select the “Need help signing in?” and select “Forgot my password”. Go through with the password reset process and you should have the account activated thereafter.

Step 3 – Upon Completion

In-lieu of a Certification of Completion, your NTU Course Instructor will provide an email confirmation to indicate that you have passed the course.

Step 4 – Applying for credit transfer

You will need both the **Welcome Email** and the **email confirmation** from your course instructor when applying for the credit transfer. You will also need to complete a Reflection Report on what you have learnt from the course.

If you have questions related to the content of this course, please contact **Associate Professor Arvind Easwaran** at email: arvinde@ntu.edu.sg.

If you have questions on MOOC in general, please refer to the FAQs and your School administrator found on website - <https://www.ntu.edu.sg/admissions/matriculation/mooc>.

Additional details for Learning How to Learn and Mindshift: Breaking Through Obstacles to Learning and Discover your Hidden Potential

- Students are to read and complete 2 MOOCs - 'Learning How to Learn: Powerful mental tools to help you master tough subjects' and 'Mindshift: Break through obstacles to learning and discover your hidden potential'.
- Students are to read and complete both MOOCs within the same semester.
- Students are to upload both certificates in the system, but to only enter the issuance date of the certificate with the later date.