



**Academic year
2021-2022**

ח.י.ט.
מכון טכנולוגי חולון
Holon Institute of Technology

1 Faculty of Sciences

Course No.	Course Name	W/H	C/P
20177	Physics for Mathematicians	4	3.5
62208	Automata and Formal	5	5
61306	COMPUTABILITY AND COMPLEXITY OF ALGORITHM	5	4
61305	Computer Communication Networks	4	3.5
21314	Digital Signal Processing	5	4
21185	INTRODUCTION TO MODERN ANALYSIS -	4	3.5
21317	Machine Learning	4	3.5
21526	Machine Vision	5	3.5
61206	Operating Systems	4	3.5
65214	Machine Vision	5	3.5
21172	Mathematical Modeling A	5	3.5
60073	Algorithms 2	5	4
21312	Algorithms of Optimization	4	3.5
61303	Databases Systems	5	4
67008	Introduction to Data Science – Methods and Tools	4	3
63303	Machine Learning	4	3
61307	Object Oriented Programming	6	5
21173	Partial Differential Equations	5	3.5
21318	Sequential Models in Data Science	4	3.5
21410	Statistical Inference	4	3.5

* Registration to the courses is conditional on the number of participants.

2 Faculty of Engineering

Bsc.

Course No.	Course Name	W/H	C/P
21314	Digital Signal Processing	5	4
05551	Power Electronic Systems	4	3.5
50205	Selected Topics in Chemistry and Biology	4	3.5
05505	Digital Signal Processing	4	3.5
50046	Waves and Distributed Systems	4	3.5
50087	Image Processing	4	3.5
50006	Semiconductor Devices	4	3.5
50014	Signals and Systems	4	3.5

Msc.

Course No.	Course Name	W/H	C/P
55315	Nano-Technologies & Nanoelectrophotonic	3	3
33055	Modern Fiber Optic Communication	3	3
55412	Smart Antennas in Radio Systems	3	3
55309	Biomedical Sensors	3	3
55034	Non Linear Optical Communication	3	3
	Advanced Image Processing	3	3

* Registration to the courses is conditional on the number of participants.

3 | Faculty of Design

Overview

Foreign design students are eligible to apply for a student exchange, in accordance with Students Exchange regulations.

Once nominated by one's home institution, the list of available courses will be disclosed directly to the international students by the faculty's coordinators.

The Faculty of Design will host its International Workshop-Week. Workshop- Week will be held between: 13.2.22 – 17.2.22.

Over 12 different workshops taught jointly by Israeli and foreign lecturers will take place simultaneously.

- Detailed Workshop information will be published on 15.01.22.
- The amount of participants will be limited and further information will be advertised by mid-January 2022.
- HIT will advertise to its partner institutions about the opening of registration beginning of January 2022.

* All courses can be taught in English, and will be adjusted according to the enrollment of international students

Course No.	Course Name	Category	W/H	C/P
39048	The Israeli Body	mandatory	4	2.5
31933	process studio – industrial design	Industrial Design	8	8
32115	Visualization&Animation in 3D	Industrial Design	4	4
33307	Amazing-3D-digital-modeling	Interior Design	3	2
39189	Graphics and Presentation1	Interior Design	4	2.5
33111	Interior sculpture (DNA furniture)	Interior Design	4	2.5
33174	Interior design 2	Interior Design	8	7
33321	Render & Animation for Interior	Interior Design	3	2
33263	Wet spaces	elective - Interior Design	4	2.5
30367	Editorial Design	visual Communication	4	2.5
30368	Animation studio	visual Communication	4	2.5
35470	Illustration for digital products	visual Communication	4	2.5
30378	Interaction Design Hands On	visual Communication	4	2.5
30379	Advances motion graphics	visual Communication	4	2.5
30380	Concept design for games	visual Communication	4	2.5

* Registration to the courses is conditional on the number of participants.

Course No.	Course Name	Category	W/H	C/P
35472	Design for impact	visual Communication	4	2.5
30374	Virtual Reality Studio	visual Communication	4	2.5
35021	Screen printing	elective - Visual Communication	4	2.5
39046	Classical animation	elective - Visual Communication	4	2.5
39086	The language of photography	elective - Visual Communication	4	2.5
39091	Books Illustrating	elective - Visual Communication	4	2.5
39092	Comics, Journals and Every Day Objects	elective - Visual Communication	4	2.5
35111	Soft materials design	elective - Industrial Design	4	2.5
35166	Furniture laboratory 1	elective - Industrial Design	4	2.5
35338	Ceramic Design 1	elective - Industrial Design	4	2.5
35466	Interactive product development - MakeID	elective - Industrial Design	4	2.5
39080	With good taste - design in a culinary context	elective - Industrial Design	4	2.5
35047	Kites – Light flying structures - design inspiration.	elective - Interior Design	4	2.5
35018	Photography and space	elective - Interior Design	4	2.5

* Registration to the courses is conditional on the number of participants.

Course No.	Course Name	Category	W/H	C/P
39048	The Israeli Body	Mandatory	4	2.5
35450	International Workshop Week	Faculty	4	2.5
31934	Parallel Studio 2	Industrial Design	4	4
32070	Parallel Studio 1	Industrial Design	4	4
33178	Interior Design 1	Interior Design	4	2.5
39190	Graphics and Presentation 2	Interior Design	4	2.5
33240	Introduction to Lighting	Interior Design	3	2
33012	Introduction to Furniture Design	Interior Design	4	2.5
33171	Interior Design 3-Space Object	Interior Design	8	7
33329	Materials@Processes Interior Design 2	Interior Design	4	2.5
30363	Illustration	Visual Communication	4	2.5
30375	Generative Design Studio	Visual Communication	4	2.5
30377	Editing Studio	Visual Communication	4	2.5

* Registration to the courses is conditional on the number of participants.

Course No.	Course Name	Category	W/H	C/P
31915	3D Modeling and Animation	Visual Communication	4	2.5
31938	Developing Expertise media - VR project	Visual Communication	4	2.5
30372	Visual Storytelling Studio	Visual Communication	4	2.5
30373	Information Graphics	Visual Communication	4	2.5
35021	Screen Printing	Elective - Visual Communication	4	2.5
39094	Calligraphy	Elective - Visual Communication	4	2.5
35122	Toys and Games	Elective - Visual Communication	4	2.5
35166	Furniture Laboratory 1	Elective - Visual Communication	4	2.5
35338	Ceramic Design 1	Elective - Visual Communication	4	2.5
39077	Chandler Interior Design	Elective - Visual Communication	4	2.5
39068	Sculpturing Art, Space	Elective - Interior Design	4	2.5
39070	Design After Films	Elective - Interior Design	4	2.5

* Registration to the courses is conditional on the number of participants.



4 Department of Multidisciplinary Studies

Course No.	Course Name	W/H	C/P
82012	Biomimicry as a ground for Innovation	4	3
82028	Programming for Everyone - An Introduction to Visual Programming Languages	2	2
82032	Advanced English Skills for Technological Studies and Design	2	2
83002	The Israeli Experience	2	2
83101	Biological Clocks	2	2
84098	Technology, Innovation and New Media	2	2
84099	Enterprise and Innovation in Historical Perspective	2	2
89901	When Technology Meets Market Forces	2	2
82040	Sense-making in Complexity	2	2

* Registration to the courses is conditional on the number of participants.



Creative  Innovative  Bold



52 Golomb St, Holon, Israel | Tel/Fax:+972-3-5026901 | www.hit.ac.il

Produced by the International Office
Research, Innovation and International Ventures Authority