

International Course Catalogue

The International Course Catalogue gathers all the courses foreign students are entitled to take during their student exchange at HIT.

Remark: in the case where a course is taught in any other language than English, an Israeli student or a teaching assistant will be assigned for translation.

BACHELOR PROGRAMS

Multi-Disciplinary Cluster

Faculty of Sciences

Faculty of Engineering

Faculty of Technology Management

Faculty of Instructional Technology

Faculty of Design

MASTER PROGRAM

Faculty of Design

BACHELOR PROGRAMS

Multi-Disciplinary Cluster

Semester	Code	Course name	Weekly frontal hours	Syllabus
Spring	82025	Social Robots – technology and social interactions	4	syllabus
Fall	82016	Introduction to Cyber: the dark side of technology	2	N/A
Spring	82026	Facial expressions and biometrics Facing Global Terror	4 (+project)	syllabus
Fall	82024	Biological Clocks	2	syllabus
Spring	82020	Introduction to the DarkNet	2	syllabus
Fall /Spring	82017	Symmetry ad Fractals	N/A	N/A
Fall	82013	Wearables – Facing Industry Challenges	4	N/A
Spring	82012	Biomimicry as a model for innovation	4	syllabus
Fall	N/A	Liberating Programming – System Programming for everyone using visual languages – An online hybrid course	2	syllabus

Faculty of Sciences

Semester	Code	Course name	Weekly frontal hours	Syllabus
Department of Mathematics				
Summer	21167	Numerical Analysis 1	4	syllabus
Fall	21170	Numerical Analysis 2	5	syllabus
Fall/ Spring/ Summer	20170	Complex Functions	4	syllabus
Fall	20021	Probability	4	syllabus
Spring	21209	Introduction to Complex Dynamical Systems	4	syllabus
Spring	62207	Mathematical tools for Computer Sciences	4	syllabus
Spring	21185	Introduction to Modern Analysis	4	syllabus
N/A	21310	Approximation Theory	4	syllabus
New!	N/A	Advanced Mapping Theory	4	N/A
New!	N/A	Topology	4	N/A
New!	N/A	Advanced Calculus	4	N/A
New!	N/A	Functional Analysis	4	N/A
New!	N/A	Calculus of Variations	4	N/A
Department of Computer Science				
Fall	61306	Computability and complexity of algorithms	3	syllabus
Fall	61306	Computer Organization and Assembly Language	5	syllabus
Fall	61309	Graph theory	4	syllabus
Spring	65323	Artificial Intelligence	4	syllabus
Spring	65200	Internet Programming in Java	4	syllabus
Spring	65330	Introduction to Cryptography Theory	4	syllabus

Spring	61304	Compilation Theory	4	syllabus
Summer	65335	Data Compression	4	syllabus
Summer/Fall	64409	Data Mining	4	syllabus
Department of Physics				
Fall	20148	Physics 1	4	syllabus
Spring	20157	Physics 2	6	syllabus

Faculty of Engineering

Semester	Code	Course name	Weekly frontal hours	Syllabus
Spring	50051	Power Electronic Systems	4	syllabus
Spring/Summer	50060	Digital Signal Processing	4	syllabus
Spring/Summer	50046	Waves and distributed systems	4	syllabus
Spring/Summer	51031	Communication Engineering 2	4	syllabus
Spring/Summer	50087	Image Processing	4	syllabus
Spring/Summer	50006	Semiconductor devices	4	syllabus
Spring/Summer	55315	Nanotechnologies & nanoelectrophotonic	3	syllabus
Spring/Summer	50014	Signals and systems	4	syllabus
Spring	50205	Selected Topics in Chemistry and Biology	4	syllabus

Faculty of Technology Management

Semester	Code	Course name	Weekly frontal hours	Syllabus
Fall	70098	Innovation and Technological Entrepreneurship	4	syllabus
Fall	77403	Electronic Commerce	3	syllabus
Fall	70080	Principles of Management and Organization Behavior	4	syllabus
Spring	70015	Industrial Economics	4	syllabus
Spring	70025	Human Resources Management	3	syllabus
Spring	70096	Business law and Intellectual property	4	syllabus
Spring	70075	Analysis and Design of Data Bases	4	syllabus
Spring	70076	Foundations of Finance	4	syllabus
Summer	70085	Principles of Decision Theory	4	syllabus
Summer	72029	Export and International Marketing	3	syllabus
Annual	70031	Final Project	6	-

Faculty of Instructional Technologies

Due to the multidisciplinary nature of the Faculty, registration to any of the above courses requires the Dean's approval.

Semester	Code	Course name	Weekly frontal hours	Syllabus
N/A	N/A	Introduction to online learning technologies	2	syllabus
N/A	N/A	User interface design for learning	2	syllabus
N/A	N/A	Design and development of instructional websites	4	syllabus
N/A	N/A	Mobile Learning	2	syllabus
N/A	N/A	Effective Presentations	2	syllabus
N/A	N/A	Courseware Design and development	2	syllabus
N/A	N/A	Learning in Technology-rich environments	2	syllabus

Faculty of Design

Semester	Code	Course name	Weekly frontal hours	Syllabus
Interior Design Department				
Mandatory courses				
Fall/Spring	39048	Israeli body (English)	4	syllabus
Fall	33173	Interior design 2	8	syllabus
Spring	33170	Interior design 3	8	syllabus
Visual Communication Department				
Mandatory courses				
Fall/Spring	39048	Israeli body (English)	4	syllabus
Fall	31701	Design for Printed Media 1A	4	syllabus
Fall	31702	Design for Printed Media 1B	4	syllabus
Spring	39703	Design for Printed Media 2A	4	syllabus
Spring	39704	Design for Printed Media 2B	4	syllabus
Industrial Design Department				
Mandatory courses				
Fall/Spring	39048	Israeli body (English)	4	syllabus
Fall	32068	Process studio - industrial design	8	syllabus
Fall	32069	In-depth - industrial design	8	syllabus
Spring	30266	Parallel studio 1	4	syllabus
Spring	32067	Parallel studio 2	4	syllabus
Elective Inter Disciplinary Courses				
Fall	35120	Game Thinking	4	syllabus
Fall	35166	Furniture – the bench	4	syllabus
Fall	39071	Designing with commercial values – from product to Crowd funding	4	syllabus
Fall	39074	Materials workshop - stretching the boundaries of material in the contemporary era	4	syllabus

Fall	39080	Design X food	4	syllabus
Fall	39086	The language of photography	4	syllabus
Fall	39091	Illustrating Books	4	syllabus
Fall	35017	The process of creativity	4	syllabus
Fall	35021	Screen printing	4	syllabus
Fall	35040	Designing a Faculty	4	syllabus
Fall	35120	Toys and Games	4	syllabus
Fall	39084	Instant Culture	4	syllabus
Fall	39092	Comics, Journals and Every Day Objects	4	syllabus
Fall	35018	Photography, spectator and space	4	syllabus
Fall	39046	Classical Animation	4	syllabus
Fall	35111	Design by Soft Materials	4	syllabus
Spring	35050	Game Trailers Design and Direction	4	syllabus
Spring	35166	Furniture Design 1	4	syllabus
Spring	35338	Ceramic Design 1	4	syllabus
Spring	39023	Modern Origami for Industrial Designers	4	syllabus
Spring	39068	Lecture and workshop	4	syllabus
Spring	39077	Chandeliers - Interior design	4	syllabus
Spring	35021	Screen printing	4	syllabus
Spring	35030	Designing Design	4	syllabus
Spring	35210	Illustration Travel book	4	syllabus
Spring	35250	Photography	4	syllabus
Spring	39070	From Designed Space to Film: Video Installations	4	syllabus
Spring	39075	Sustainable Design in Urban Environments	4	syllabus
Spring	35009	Based on a True Event	4	syllabus
Spring	39094	Calligraphy	4	syllabus
Spring	35239	Ceramic Design 2	4	syllabus
Spring	35452	Glitch Art	4	syllabus
Spring	35451	Producing a short documentary and editing in Premiere Pro CC	4	syllabus

MASTER PROGRAM

Faculty of Design

Semester	Code	Course name	Weekly frontal hours	Syllabus
Integrated Design				
Mandatory courses				
Fall/Spring	39048	Israeli body (English)	4	syllabus
Elective courses				
Fall	37013	Integrated Design Laboratory 3	6	syllabus
Spring	37006	Urban Ecology Seminar (English)	3	syllabus
Spring	39069	The city – A space of relations	4	syllabus
Spring	37076	Design through language, text and interaction	4	syllabus
Spring	37070	Local Jewelry	4	syllabus
Elective Inter Disciplinary Courses from Bachelor Programs				
Spring	33170	Interior Design 3	8	syllabus
Spring	39703	Design for Printed Media 2A	4	syllabus
Spring	39704	Design for Printed Media 2B	4	syllabus
Spring	30266	Parallel studio 1	4	syllabus
Spring	32067	Parallel studio 2	4	syllabus
Fall	35120	Game Thinking	4	syllabus
Fall	35166	Furniture – the bench	4	syllabus
Fall	39071	Designing with commercial values – from product to Crowd funding	4	syllabus
Fall	39074	Materials workshop - stretching the boundaries of material in the contemporary era	4	syllabus
Fall	39080	Design X food	4	syllabus
Fall	39086	The language of photography	4	syllabus
Fall	39091	Illustrating Books	4	syllabus
Fall	35017	The process of creativity	4	syllabus
Fall	35021	Screen printing	4	syllabus
Fall	35040	Designing a Faculty	4	syllabus
Fall	35120	Toys and Games	4	syllabus
Fall	39084	Instant Culture	4	syllabus
Fall	39092	Comics, Journals and Every Day Objects	4	syllabus
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Spring	35166	Furniture Design 1	4	syllabus
Spring	35338	Ceramic Design 1	4	syllabus
Spring	39023	Modern Origami for Industrial Designers	4	syllabus

Spring	39068	Lecture and workshop	4	syllabus
Spring	39077	Chandeliers - Interior design	4	syllabus
Spring	35021	Screen printing	4	syllabus
Spring	35030	Designing Design	4	syllabus
Spring	35210	Illustration Travel book	4	syllabus
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Spring	35239	Ceramic Design 2	4	syllabus
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