

MAKING AND DESIGN (MAD)

MAD.002 DesignPlus Exploration (New)

Prereq: None

U (Spring)

2-1-0 units

Supports first-year students in designing and making individual exploratory projects. Through experimentation, iteration, and reflection, students develop ideas of personal interest while building skills in prototyping and communicating design intent. Structure is flexible to account for diverse student interests within the field of design. Presents a broad perspective on designing and making across MIT. Subject can count toward the 6-unit discovery-focused credit limit for first-year students. Limited to 12; preference to students in the DesignPlus First Year Learning Community.

J. Ochsendorf

MAD.501 MAD Fellows Seminar I (New)

Prereq: None

G (Fall)

3-0-3 units

Explores design methodologies in graduate research as well as contemporary issues in design practices. Guest lecturers present themes of common interest and share sources of design inspiration. Limited to graduate student fellows supported by the Morningside Academy for Design.

J. Ochsendorf

MAD.502 MAD Fellows Seminar II (New)

Prereq: None

G (Spring)

2-1-0 units

Features presentations and discussions with guest lecturers and faculty on contemporary issues in design practice. Students engage with a cohort of graduate peers conducting design-related research and with faculty exploring shared themes of interest, and share sources of design inspiration. Limited to graduate student fellows supported by the Morningside Academy for Design.

J. Ochsendorf

MAD.701[J] D-Lab: Development (New)

Same subject as 11.025[J], EC.701[J]

Subject meets with 11.472[J], EC.781[J], MAD.781[J]

Prereq: None

U (Fall)

3-2-7 units. HASS-S

See description under subject EC.701[J]. Enrollment limited by lottery; must attend first class session.

S. L. Hsu, B. Sanyal

MAD.712[J] Applications of Energy in Global Development (New)

Same subject as 2.652[J], EC.712[J]

Subject meets with EC.782[J], MAD.792[J]

Prereq: None

U (Fall)

4-0-8 units

See description under subject EC.712[J]. Limited to 20; preference to students who have taken EC.711[J].

Staff

MAD.725[J] Leadership in Design (New)

Same subject as EC.725[J]

Prereq: None

U (Spring)

5-0-1 units

See description under subject EC.725[J]. Limited to 20 students in the Gordon Engineering Leadership Program.

E. Squibb

MAD.729[J] D-Lab: Design for Scale (New)

Same subject as 2.729[J], EC.729[J]

Subject meets with 2.789[J], EC.797[J], MAD.799[J]

Prereq: None. *Coreq:* 2.008; or permission of instructor

U (Fall)

3-2-7 units

See description under subject EC.729[J].

M. Yang, M. Kenney

MAD.750[J] Humanitarian Innovation: Design for Relief, Rebuilding, and Recovery (New)

Same subject as EC.750[J]

Subject meets with EC.785[J], MAD.785[J]

Prereq: None

U (Fall)

4-0-8 units

See description under subject EC.750[J].

A. Smith, M. Thompson

MAD.768[J] D-Lab: Gender and Development (New)

Same subject as EC.718[J], WGS.277[J]

Subject meets with EC.798[J], MAD.798[J]

Prereq: None

U (Fall)

3-0-9 units

See description under subject EC.718[J]. Limited to 12; must attend first class session.

E. McDonald, S. Haslanger

MAD.770[J] D-Lab: Independent Project (New)

Same subject as EC.770[J]
 Prereq: Permission of instructor
 U (Fall, IAP, Spring, Summer)
 Units arranged [P/D/F]
 Can be repeated for credit.

See description under subject EC.770[J].
S. L. Hsu

MAD.780[J] D-Lab: Independent Project (New)

Same subject as EC.780[J]
 Prereq: None
 G (Fall, IAP, Spring, Summer)
 Units arranged
 Can be repeated for credit.

See description under subject EC.780[J].
S. L. Hsu

MAD.781[J] D-Lab: Development (New)

Same subject as 11.472[J], EC.781[J]
 Subject meets with 11.025[J], EC.701[J], MAD.701[J]
 Prereq: None
 G (Fall)
 3-2-7 units

See description under subject EC.781[J]. Enrollment limited by lottery; must attend first class session.
S. L. Hsu, A. B. Smith, B. Sanyal

MAD.785[J] Humanitarian Innovation: Design for Relief, Rebuilding, and Recovery (New)

Same subject as EC.785[J]
 Subject meets with EC.750[J], MAD.750[J]
 Prereq: None
 G (Fall)
 4-0-8 units

See description under subject EC.785[J].
A. Smith, M. Thompson

MAD.790[J] D-Lab: Field Study (New)

Same subject as EC.790[J]
 Prereq: One D-Lab subject and permission of instructor
 G (IAP)
 Units arranged
 Can be repeated for credit.

See description under subject EC.790[J].
S. L. Hsu

MAD.792[J] Applications of Energy in Global Development (New)

Same subject as EC.782[J]
 Subject meets with 2.652[J], EC.712[J], MAD.712[J]
 Prereq: None
 G (Fall)
 4-0-8 units

See description under subject EC.782[J]. Limited to 20; preference to students who have taken EC.791.
Staff

MAD.798[J] D-Lab: Gender and Development (New)

Same subject as EC.798[J]
 Subject meets with EC.718[J], MAD.768[J], WGS.277[J]
 Prereq: None
 G (Fall)
 3-0-9 units

See description under subject EC.798[J]. Limited to 12; must attend first class session.
E. McDonald, S. Haslanger

MAD.799[J] D-Lab: Design for Scale (New)

Same subject as 2.789[J], EC.797[J]
 Subject meets with 2.729[J], EC.729[J], MAD.729[J]
 Prereq: None. *Coreq:* 2.008; or permission of instructor
 G (Fall)
 3-2-7 units

See description under subject EC.797[J].
M. Yang, M. Kenney

MAD.800[J] DesignX Bootcamp (New)

Same subject as 4.245[J], 11.245[J]
 Prereq: Permission of instructor
 G (IAP)
 4-0-2 units

See description under subject 11.245[J]. Registration limited to students accepted to the MITdesignX accelerator in the fall.
S. Gronfeldt

MAD.801[J] DesignX Accelerator (New)

Same subject as 4.246[J], 11.246[J]
 Prereq: Permission of instructor
 G (Spring)
 2-4-6 units

See description under subject 11.246[J]. Registration limited to students accepted to the MITdesignX accelerator in the fall.
S. Gronfeldt

MAD.802[J] Entrepreneurship in the Built Environment (New)

Same subject as 1.462[J], 11.345[J]

Prereq: None

G (Fall; first half of term)

2-0-4 units

See description under subject 11.345[J].

S. Gronfeldt

MAD.804 Systems Change for Social Impact (New)

Prereq: None

G (Fall)

3-2-7 units

Explores the difference between innovation, social innovation, and systems change for social impact. Presents frameworks and case studies from real systems change innovators to develop a more comprehensive view of complex problems and the systems they are part of. Systems that often keep those problems in place. Using experiential tools, students explore problem framing from the impact target's perspective and innovative, scalable approaches to systems change. Final deliverable is a written case study on systems change based on detailed actor mapping and interviews where students share their deeper understanding of a system they care about.

Y. Jimenez, S. Gronfeldt

MAD.805 Designing Creative Ventures (New)

Prereq: None

G (Spring; first half of term)

2-0-4 units

Explores professional pathways in design, arts, and cultural practice through strategic, organizational, and economic lenses. Through lectures and labs, students engage with cultural management, international frameworks, and entrepreneurial tools while experimenting in crossovers where creative practice generates new forms of value for society and industry. Combines a value-based reading of cultural production with practical methods, preparing students to position their work in professional and market contexts with positive human impact.

S. Gronfeldt, G. Picchi