MUSIC AND THEATER ARTS

Music and Theater Arts invites students to explore these disciplines as artistic practices and as cultural, intellectual, and personal avenues of inquiry and discovery. Students may pursue concentrations, minors, or majors in either Music or Theater Arts, as well as joint majors with Engineering or Science.

The Music program develops students' creativity, talent, research ability, and aesthetic sensibility through performance, composition, history, culture, technology, and analysis. Understanding of the various facets of music is cultivated through both the making and the study of music, in close contact with professors, performers, conductors, coaches, and scholars. The scope of musical investigation and experience incorporates classical, vernacular, and experimental traditions from a wide range eras and cultures, western and non-western.

Classes are tailored to the prior experiences of students who take them, from introductory subjects for students with no previous background to advanced seminars, private lessons, and performance opportunities for musicians ready to work at near-professional levels. The program integrates and deepens connections between music and technology, science, society, and other humanities disciplines, creating an experience that is intensely rich and uniquely MIT.

Theater Arts is taught as a mode of inquiry into self and society with the intention that such an inquiry can become the vehicle for transformation of one or both. The Theater Arts program is process-oriented and committed to diversity of creative forms. The curriculum is designed to help students acquire the necessary artistic, technical, and intellectual skills to create theater of quality and imagination.

Performance is the testing ground for what is learned in the classroom. Performance and design experiences range from studentgenerated workshops in the studio to fully-realized productions on the stage. These curricular activities are guided by professional faculty and staff, often with enriching participation of guest artists.

Music and Theater Arts is united in our pursuit of artistic, intellectual, creative, and technical excellence. This requires intense focus and dedication by all members of our community. We value diversity and practice inclusion with regard to identities, backgrounds, opinions, and beliefs. Because we see our students as whole people, we prioritize their mental, emotional, and physical health above the quality of their work. This ethos extends to both our advisory and pedagogical relationships. Diversity, wellness, and inclusion are likewise central to our curriculum and hiring. We are therefore committed to recruiting a diverse faculty and staff to enhance the educational experience of the students we serve.

Undergraduate Study

Bachelor of Science in Music (Course 21M-1)

The undergraduate program leading to the Bachelor of Science in Music (http://catalog.mit.edu/degree-charts/music-course-21m) degree comprises a grounding in foundational skills in music history and culture, performance, and music theory; a capstone Advanced Seminar; and a coherent program of electives chosen in consultation with the advisor. Five required subjects (one of which consists of two terms of performance, and two of which satisfy the CI-M requirement) and five restricted electives satisfy these requirements, but should be supplemented by additional electives. The program is analogous to those for music majors at leading liberal arts institutions and prepares a student for graduate study in music. Students should demonstrate proficiency in musical fundamentals and have performance experience before declaring the major and should consult the major advisor in music no later than the first term of their junior year.

Bachelor of Science in Theater Arts (Course 21M-2)

The undergraduate program leading to the Bachelor of Science in Theater Arts (http://catalog.mit.edu/degree-charts/theaterarts-course-21m-2) degree comprises a broad foundation in theoretical and practical studies, and intensive performance and design practica. To satisfy the requirements, students complete a coherent set of restricted elective subjects (two of which satisfy the CI-M requirement), and may complete a capstone thesis with departmental approval. With an emphasis on artistic practice, this course of study prepares students who plan either to enter the field or to pursue graduate studies in theater arts. Students should demonstrate proficiency in theater arts fundamentals, should have some performance experience before declaring the major, and should consult the major advisor in Theater Arts no later than the first term of their junior year.

Joint Degree Programs

Joint degree programs are offered in both Music and Theater Arts in combination with a field in engineering or science (21E, 21S). See the joint degree programs (http://catalog.mit.edu/schools/humanitiesarts-social-sciences/humanities/#undergraduatetext) listed under Humanities.

Minor in Music

The Minor in Music requires six subjects that will give students experience within the three main branches of music: history/culture, composition/theory, and performance.

Tier I: Introduct	ion	
Select up to two	o of the following:	0-24
21M.011	Introduction to Western Music	
21M.013[J]	The Supernatural in Music, Literature and Culture	

21M.030	Introduction to Musics of the World		21M.480	Advanced Music Performance	
21M.051	Fundamentals of Music		21M.490	Solo Recital	
21M.053	Rhythms of the World		Tier III: Elective		
21M.065				ree subjects from the following:	12-36
21M.080	Introduction to Music Technology		History/Cult	· · · · · · · · · · · · · · · · · · ·)-
Tier II: Breadth			21M.215	Music of the Americas	
Select three subjects, one from each of the following		36	21M.220	Medieval and Renaissance Music	
categories:	-, -, -, -, -, -, -, -, -, -, -, -, -, -	٠,	21M.223	Folk Music of the British Isles and	
History/Cult	ure			North America	
21M.215	Music of the Americas		21M.226	Jazz	
21M.220	Medieval and Renaissance Music		21M.235	Baroque and Classical Music	
21M.223	Folk Music of the British Isles and North America		21M.250 21M.260	Nineteenth-Century Music Music since 1900	
21M.226	Jazz		21M.269	Studies in Western Music History	
21M.235	Baroque and Classical Music		21M.209	Symphony and Concerto	
21M.250	Nineteenth-Century Music		21M.271 21M.273	Opera	
21M.260	Music since 1900		21M.2/3	Musicals	
21M.269	Studies in Western Music History		21M.284	Film Music	
21M.271	Symphony and Concerto		21M.284	Studies in Western Classical Genres	
21M.273	Opera		21M.209	Music of India	
21M.283	Musicals		21M.291 21M.292	Musics in Bali	
21M.284	Film Music		21M.292 21M.293	Music of Africa	
21M.289	Studies in Western Classical Genres		21M.293 21M.294	Popular Musics of the World	
21M.291	Music of India		21M.294 21M.295	American Popular Music	
21M.292	Musics in Bali		21M.295 21M.296	Studies in Jazz and Popular Music	
21M.293	Music of Africa		21M.290	Studies in Global Musics	
21M.294	94 Popular Musics of the World		Composition		
21M.295			21M.302 Harmony and Counterpoint II		
21M.296	Studies in Jazz and Popular Music		21M.303	Writing in Tonal Forms I	
21M.299	Studies in Global Musics		21M.304	Writing in Tonal Forms II	
	Composition/Theory		21M.310	Techniques of 20th-Century	
21M.301	Harmony and Counterpoint I			Composition	
Performance	e (12 units)		21M.340	Jazz Harmony and Arranging	
21M.401	MIT Concert Choir		21M.341	Jazz Composition	
21M.405	MIT Chamber Chorus		21M.342	Composing for Jazz Orchestra	
21M.410	Vocal Repertoire and Performance		21M.351	Music Composition	
21M.421	MIT Symphony		21M.355	Musical Improvisation	
21M.423	Conducting and Score-Reading		21M.359	Studies in Musical Composition,	
21M.426	MIT Wind Ensemble			Theory and Analysis	
21M.442	MIT Festival Jazz Ensemble		21M.361	Electronic Music Composition I	
21M.445	Chamber Music Society		21M.362	Electronic Music Composition II	
21M.450	MIT Balinese Gamelan		21M.370	Digital Instrument Design	
21M.451	Collaborative Piano		21M.369	Studies in Music Technology	
21M.460	21M.460 MIT Senegalese Drum Ensemble		21M.383	Computational Music Theory and	
21M.470	MIT Laptop Ensemble			Analysis	
21M.475	Music Performance		21M.385[J]	Interactive Music Systems	
			21M.387[J]	Fundamentals of Music Processing	

Performance	rformance (four terms)		21M.292	Musics in Bali	
21M.401	MIT Concert Choir		21M.293	Music of Africa	
21M.405	MIT Chamber Chorus		21M.294	Popular Musics of the World	
21M.410	Vocal Repertoire and Performance		21M.295	American Popular Music	
21M.421	MIT Symphony		21M.296	Studies in Jazz and Popular Music	
21M.423	Conducting and Score-Reading		21M.297[J]	Cultures of Popular Music in East	
21M.426	MIT Wind Ensemble			Asia: Japan, Korea, China	
21M.442	MIT Festival Jazz Ensemble		21M.299	Studies in Global Musics	
21M.445	Chamber Music Society		Music Perfor		
21M.450	MIT Balinese Gamelan		21M.401	MIT Concert Choir	
21M.451	Collaborative Piano		21M.405	MIT Chamber Chorus	
21M.460	MIT Senegalese Drum Ensemble		21M.410	Vocal Repertoire and Performance	
21M.470	MIT Laptop Ensemble		21M.421	MIT Symphony	
21M.475	Music Performance		21M.423	Conducting and Score-Reading	
21M.480	Advanced Music Performance		21M.426	MIT Wind Ensemble	
21M.490	Solo Recital		21M.442	MIT Festival Jazz Ensemble	
Advanced Se	eminar in Music		21M.445	Chamber Music Society	
21M.500	Advanced Seminar in Music		21M.450	MIT Balinese Gamelan	
Total Units		72	21M.451	Collaborative Piano	
			21M.460	MIT Senegalese Drum Ensemble	
Minor in Music	: Technology		21M.475	Music Performance	
Music Theory 1		12	21M.480	Advanced Music Performance	
04111 004	Harmony and Counterpoint I		21M.490	Solo Recital	
21M.301	manmony and counterpoints		21W.490	Solo Recital	
_	hip and Performance	12		gy Foundations	24
Music Scholars		12		gy Foundations	24
Music Scholars	hip and Performance	12	Music Technolo	gy Foundations	24
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Music Scholars Select 12 units Performance:	thip and Performance from History and Culture or Music	12	Music Technolo Select 24 units 21M.080	gy Foundations from: Introduction to Music Technology	24
Music Scholars Select 12 units Performance: History and	thip and Performance from History and Culture or Music Culture	12	Music Technolo Select 24 units 21M.080 21M.361	rgy Foundations from: Introduction to Music Technology Electronic Music Composition I	24
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- Students who enter with a background that allows them to place out of 21M.301 will instead take 24 units of Music Scholarship and Performance, from both History and Culture AND Music Performance.
- Subjects have prerequisites outside of the minor.

Minor in Theater Arts

The Minor in Theater Arts is designed to give students the opportunity to experiment in the making of theater. The flexibility of the minor allows students either to explore the basic principles of several theater disciplines or to concentrate more deeply on one.

Required Stubjects

Select one of fo	llowing:	12
21M.600	Introduction to Acting	
21M.603	Fundamentals of Theater Design	
21M.604[J]	Playwriting Fundamentals	
21M.623	Physical Improvisation: Bodies in Motion	
21M.710	Script Analysis	
21M.840	Performance Media	

Restricted Electives

In conjunction with the minor advisor, students select 57-60 a coherent program of Theater Arts subjects. 1

Total Units 69-72

Inquiries

For further information on subjects and programs, contact the Music and Theater Arts Office, Room 10-219, 617-253-3210.

Faculty and Teaching Staff

Keeril Makan, PhD Michael Koerner (1949) Professor in Music Composition Professor of Music Head, Music and Theater Arts

Professors

Peter B. Child, PhD Class of 1949 Professor Professor of Music (On leave)

Claire Conceison, PhD Quanta Professorship in Chinese Culture Professor of Theater Arts

Jay R. Scheib, MFA Class of 1949 Professor Professor of Theater Arts

Janet Sonenberg, MFA **Professor Post-Tenure of Theater Arts**

Marcus A. Thompson, DMA **Institute Professor** Professor of Music (On leave, fall)

Evan Ziporyn, PhD Kenan Sahin (1963) Distinguished Professor Professor of Music

Associate Professors

Sara L. Brown, MFA Class of 1957 Career Development Professor **Associate Professor of Theater Arts**

Michael S. Cuthbert, PhD **Associate Professor of Music** (On leave)

Emily Richmond Pollock, PhD **Associate Professor of Music**

Patricia J. Tang, PhD Associate Professor of Music (On leave, fall)

Leslie Tilley, PhD Class of 1958 Career Development Professor Associate Professor of Music (On leave, fall)

Assistant Professors

Natalie Lin Douglas, DMA Assistant Professor of Music (On leave, fall)

Miguel Zenón, MA Assistant Professor of Music

Professors of the Practice

Eran Egozy, SM Professor of the Practice of Music

Senior Lecturers

Frederick E. Harris Jr, PhD Senior Lecturer in Music

Teresa Neff, PhD Senior Lecturer in Music

See the Theater Arts subject listing (http://catalog.mit.edu/schools/ humanities-arts-social-sciences/music-theater-arts/#subjectstext) for a list of available subjects.

Daniel Safer, BFA Senior Lecturer in Theater Arts

Charles Shadle, PhD Senior Lecturer in Music

Kenneth Urban, PhD Senior Lecturer in Theater Arts (On leave, fall)

Lecturers

Adam Boyles, DMA Lecturer in Music

Blythe de Oliveira Foster, MFA Lecturer in Theater Arts

Keely Eastley Lecturer in Theater Arts

Ian Hattwick, PhD Lecturer in Music

Sarah Iker, PhD Lecturer in Music

Daniel Irizarry, MFA Lecturer in Theater Arts

Mi-Eun Kim, DMA Lecturer in Music

Joseph Maurer, PhD Lecturer in Music

Jean Rife, MA Lecturer in Music

Ryan Turner, MM Lecturer in Music

Peter Whincop, MA Lecturer in Music

Technical Instructors

Christian Frederickson, MM **Technical Instructor in Theater Arts**

Joshua Higgason, BA Technical Instructor in Theater Arts

Professors Emeriti

Jeanne Shapiro Bamberger, MA **Professor Emerita of Music**

Alan Brody, PhD **Professor Emeritus of Theater Arts** John H. Harbison, MFA **Institute Professor Emeritus** Professor Emeritus of Music

Ellen T. Harris, PhD Professor Emerita of Music

Lowell Edwin Lindgren, PhD **Professor Emeritus of Music**

Barry Lloyd Vercoe, DMA Professor Emeritus of Media Arts and Sciences **Professor Emeritus of Music**

Music

The Music subjects described below are grouped within seven areas: Introductory, Samplings, History/Culture, Composition/Theory, Performance, Advanced/Special Subjects, and Music and Media. Although most students start with introductory subjects, those who have vocal or instrumental training or extensive exposure to music are encouraged to begin at a higher starting level.

Introductory Subjects

21M.011 Introduction to Western Music

Prereq: None U (Fall, Spring) 4-o-8 units. HASS-A; CI-H

Provides a broad overview of Western music from the Middle Ages to the 21st century, with emphasis on late baroque, classical, romantic, and modernist styles. Designed to enhance the musical experience by developing listening skills and an understanding of diverse forms and genres. Major composers and works placed in social and cultural contexts. Weekly lectures feature demonstrations by professional performers and introduce topics to be discussed in sections. Enrollment limited.

E. Pollock, M. Marks, T. Neff

21M.013[J] The Supernatural in Music, Literature and Culture

Same subject as 21L.013[J] Prereq: None U (Spring) Not offered regularly; consult department 3-o-9 units. HASS-A, HASS-H; CI-H

Explores the relationship between music and the supernatural, focusing on the social history and context of supernatural beliefs as reflected in key literary and musical works from 1600 to the present. Provides an understanding of the place of ambiguity and the role of interpretation in culture, science and art. Explores great works of art by Shakespeare, Verdi, Goethe (in translation), Gounod, Henry James and Benjamin Britten. Readings also include selections from the most recent scholarship on magic and the supernatural. Writing assignments range from web-based projects to analytic essays. No previous experience in music is necessary. Projected guest lectures, musical performances, field trips. Limited to 36.

C. Shadle, M. Fuller

21M.030 Introduction to Musics of the World

Prereq: None U (Fall, Spring) 3-o-9 units. HASS-A; CI-H

An introduction to diverse musical traditions of the world. Music from a wide range of geographical areas is studied in terms of structure, performance practice, social use, aesthetics, and cross-cultural contact. Includes music making, live demonstrations by guest artists, and ethnographic research projects. Enrollment limited by lottery.

P. Tang, L. Tilley, E. Ziporyn

21M.051 Fundamentals of Music

Prereq: None U (Fall, Spring) 3-2-7 units. HASS-A

Introduces students to the rudiments of music through oral, aural, and written practice utilizing rhythm, melody, intervals, scales, chords, and musical notation. Individual skills are addressed through a variety of approaches, including keyboard practice in the required piano labs and sight singing lab. Intended for students with little to no prior experience reading music or performing. Not open to students who have completed 21M.150, 21M.151, 21M.301, or are participating in a performance ensemble where written music is employed. Limited to 20 per section by lottery.

S. Iker, N. Lam, D. David

21M.053 Rhythms of the World

Prereq: None U (Spring) 3-0-9 units. HASS-A

Experiential, fully-embodied exploration into the fundamentals of music through the lens of largely non-Western, aural music cultures. From Bali to Ghana, Cuba to India, Zimbabwe to Andalucía, and through popular musics across the globe, students think about, talk about, and make music in new ways. Examines some of the basic concepts of music — structure, melody-making, meter, rhythm, interaction, movement, etc. — studying their diverse incarnations in different music cultures and encouraging a breadth of perspective and engagement. Students engage with a diverse blend of musical practices through music-making, in-depth discussion, listening and analysis, and creative composition. No musical experience required. Limited to 18.

L. Tilley

21M.065 Introduction to Musical Composition

Prereq: Permission of instructor U (Spring) 3-0-9 units. HASS-A

Through a progressive series of composition projects, students investigate the sonic organization of musical works and performances, focusing on fundamental questions of unity and variety. Aesthetic issues are considered in the pragmatic context of the instructions that composers provide to achieve a desired musical result, whether these instructions are notated in prose, as graphic images, or in symbolic notation. Weekly listening, reading, and composition assignments draw on a broad range of musical styles and intellectual traditions, from various cultures and historical periods. Basic music reading skills required. Limited to 18. E. Ziporyn

21M.080 Introduction to Music Technology

Subject meets with 21M.560 Prereq: None U (Fall, Spring) 3-0-9 units. HASS-A

Investigates how technology is used in the analysis, modeling, synthesis and composition of music, and its contribution to the artistic production practice. With an eye towards historical context as well as modern usage, topics include the physics of sound, digital representations of music, the Digital Audio Workstation (DAW), analog and digital synthesis techniques, MIDI and sequencing, electronic instrument design, notation software, generative music systems, and computational analysis of music. Weekly assignments focus on both theory and practice, requiring technical proficiency, creative output, and aesthetic consideration. Students taking graduate version complete different assignments. Enrollment limited.

I. Hattwick

Samplings

Students may combine any of the 6-unit subjects listed below for 12 units (one full subject) of credit toward the Humanities, Arts, and Social Sciences (HASS) General Institute Requirement (GIR). Even-numbered subjects are offered the first half of term; oddnumbered subjects are offered the second half of term. Where noted, subjects may be repeated for 12 units of HASS GIR credit. See the HASS Requirement website (https://registrar.mit.edu/registrationacademics/academic-requirements/hass-requirement/substitutionswithin-hass-requirement) for details.

21M.120 Tuning Systems and Temperament

Prereg: Permission of instructor U (Spring; first half of term) Not offered regularly; consult department 2-0-4 units

Surveys selected tunings of the scale, including Pythagorean, just intonation, mean-tone, and equal temperaments, as well as non-Western systems and the impact of tunings and temperaments on musical composition and performance. Student projects will be based on live demonstrations as well as reading and listening assignments.

T. Neff

21M.128 Moments in Music: History/Culture A

Prereq: Permission of instructor U (Fall; first half of term) Not offered regularly; consult department 2-0-4 units Can be repeated for credit.

Examines a particular moment in music history, an era, style, or even the composition of a major work through analysis and cultural context. Goes into further depth on a particular topic than would be possible in a longer survey. Periods and topics vary. Examples include minimalism, The Beatles, A Cappella, or The Lion King. May be repeated once for credit if content differs. Enrollment limited. M. Marks, T. Neff

21M.129 Moments in Music: History/Culture B

Prereq: Permission of instructor U (Fall; second half of term) Not offered regularly; consult department 2-0-4 units Can be repeated for credit.

Examines a particular moment in music history, an era, style, or even the composition of a major work through analysis and cultural context. Goes into further depth on a particular topic than would be possible in a longer survey. Periods and topics vary. Examples include minimalism, The Beatles, A Cappella, or The Lion King. May be repeated once for credit if content differs. Enrollment limited. M. Marks, T. Neff

21M.138 Moments in Music: Composition A

Prereg: Permission of instructor U (Fall; first half of term) Not offered regularly; consult department 2-0-4 units Can be repeated for credit.

Practice in a particular compositional technique not normally covered in the Harmony and Counterpoint or Musical Composition sequences. Possible topics include Renaissance counterpoint, fugue, ragtime, or indeterminacy. May be repeated once for credit if content differs. Enrollment limited.

C. Shadle

21M.139 Moments in Music: Composition B

Prereq: Permission of instructor U (Fall; second half of term) Not offered regularly; consult department 2-0-4 units Can be repeated for credit.

Practice in a particular compositional technique not normally covered in the Harmony and Counterpoint or Musical Composition sequences. Possible topics include Renaissance counterpoint, fugue, ragtime, or indeterminacy. May be repeated once for credit if content differs. Enrollment limited.

C. Shadle

21M.150 Introductory Music Theory

Prereq: Permission of instructor U (Fall, Spring; first half of term) 1-1-4 units Credit cannot also be received for 21M.151

Introduction to theoretical elements of music for students who need preparation in the fundamentals of music theory prior to taking 21M.301. Requires ability to read notation in at least one clef. Covers many of the same topics as 21M.051 but at a faster pace. Coverage includes intervals, triads, major and minor keys, basic musical analysis over a variety of idioms in Western music. Also emphasizes developing the ear, voice, and keyboard skills. Not open to students who have completed 21M.051, 21M.151, 21M.301 or 21M.302. 21M.150 is offered first half of term; 21M.151 is offered second half of term. Limited to 20 per section by lottery. Staff

21M.151 Introductory Music Theory

Prereq: Permission of instructor U (Fall, Spring; second half of term) Not offered regularly; consult department 1-1-4 units Credit cannot also be received for 21M.150

Introduction to theoretical elements of music for students who need preparation in the fundamentals of music theory prior to taking 21M.301. Requires ability to read notation in at least one clef. Covers many of the same topics as 21M.051 but at a faster pace. Coverage includes intervals, triads, major and minor keys, basic musical analysis over a variety of idioms in Western music. Also emphasizes developing the ear, voice, and keyboard skills. Not open to students who have completed 21M.051, 21M.150, 21M.301 or 21M.302. Offered second half of term or IAP. Limited to 20 per section by lottery. Staff

21M.158 Moments in Music: Theory and Analysis A

Prereg: Permission of instructor U (Fall; first half of term) Not offered regularly; consult department 2-0-4 units Can be repeated for credit.

Specific musical compositions or topics in music theory will provide the basis for analysis and close reading. Topics vary. Examples include a Bach Cantana, a Beethoven Quartet, Pierrot Lunaire, or cross-cultural musical analysis. May be repeated once for credit if content differs. Enrollment limited.

Staff

21M.159 Moments in Music: Theory and Analysis B

Prereq: Permission of instructor U (Fall; second half of term) Not offered regularly; consult department 2-0-4 units Can be repeated for credit.

Specific musical compositions or topics in music theory will provide the basis for analysis and close reading. Topics vary. Examples include a Bach Cantana, a Beethoven Quartet, Pierrot Lunaire, or cross-cultural musical analysis. May be repeated once for credit if content differs. Enrollment limited.

Staff

History/Culture

21M.215 Music of the Americas

Prereg: Permission of instructor Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Spring) 3-0-9 units. HASS-A

A survey of the music of North and South America from the Renaissance to the present, with emphasis on the cross-fertilizations of indigenous and European traditions. Listening assignments will focus on composers as varied as Copland and Still, Revueltas and Chihara.

C. Shadle

21M.220 Medieval and Renaissance Music

Prereg: None. Coreg: 21M.301 Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Spring) 3-0-9 units. HASS-A

Examines European, Mediterranean basin, and Latin American music in the ancient world, Middle Ages, and the Renaissance (to 1630). Interweaves a chronological survey with the intensive study of three topics, which are usually chant and its development, music in Italy 1340-1420, and music in Elizabethan England. Focuses on methods and pitfalls in studying music of the distant past. Students work with original sources and facsimiles in crafting research papers, presentation, and assignments.

M. Cuthbert

21M.223 Folk Music of the British Isles and North America

Prereq: None U (Fall)

3-o-9 units. HASS-A; CI-H

Examines the production, transmission, preservation and the qualities of folk music in the British Isles and North America from the 18th century to the folk revival of the 1960s and the present. Special emphasis on balladry, fiddle styles, and African-American influences. Enrollment limited.

I. Maurer

21M.226 Jazz

Prereq: None U (Spring) 3-0-9 units. HASS-A

Historical survey from roots in African and American contexts, including spirituals, blues, and ragtime, through early jazz, Swing, bebop, and post-bop movements, with attention to recent developments. Key jazz styles, the relation of music and society, and major figures such as Armstrong, Ellington, Basie, Goodman, Parker, Monk, Mingus, Coltrane, and others are considered. Some investigation of cross-influences with popular, classical, folk, and rock musics. Enrollment may be limited. Staff

21M.235 Baroque and Classical Music

Prereg: 21M.301 or permission of instructor U (Spring) 3-0-9 units. HASS-A

Surveys genres from the Western tradition composed in the 17th and 18th centuries: opera, cantata, oratorio, sonata, concerto, quartet and symphony. Includes the composers Monteverdi, Purcell, Lully, Strozzi, Vivaldi, Bach, Handel, Haydn, Bologne, and Mozart. Bases written essays, projects, and oral presentations on live performances as well as listening and reading assignments. Basic music scorereading ability required.

T. Neff

21M.250 Nineteenth-Century Music

Prereq: 21M.301 or permission of instructor U (Spring) 3-o-9 units. HASS-A

Surveys 19th century Western concert music including Lied/song, choral music, opera, piano sonata/character piece, concerto, and symphony/symphonic poem. Includes the composers Beethoven, Schubert, Berlioz, Chopin, Farrenc, Brahms, Verdi, Tchaikovsky, Beach, Smyth, and Mahler. Bases written work and oral presentations on live performances as well as listening and reading assignments. Basic score-reading ability recommended. T. Neff

21M.260 Music since 1900

Prereq: 21M.301 or permission of instructor U (Fall) 3-0-9 units. HASS-A

Surveys musical works drawn from many genres, representing stylistic movements that have transformed classical music over the past hundred years. Focal topics include musical modernism, serialism, neoclassicism, nationalism and ideology, minimalism, and aleatoric and noise composition experiments. Discusses electronic and computer music, and new media and the postmodern present. Begins with Stravinsky's early ballets and ends with music by current MIT composers and other important figures active today. Ability to read music required. Instruction and practice in oral and written communication provided.

M. Marks

21M.269 Studies in Western Music History

Prereg: 21M.301 or permission of instructor U (Spring) Not offered regularly; consult department 3-0-9 units. HASS-A Can be repeated for credit.

Explores particular questions or repertories in Western classical music. Requires individual participation, presentations, and writing. Topics vary each year. Examples include women in music, musical borrowing, the Ars Nova, Schumann, or music after 1990. May be repeated for credit with permission of instructor. Staff

21M.271 Symphony and Concerto

Prereq: None U (Fall) 3-o-9 units. HASS-A

Explores the style, form, and history of approximately two dozen pieces of canonical symphonic repertoire. Students write short reviews of musicological articles on the rich cultural history of selected works and complete one project about classical music in contemporary society. Basic score-reading ability required. E. Pollock

21M.273 Opera

Prereq: None Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Fall) 3-0-9 units. HASS-A

Focuses on the different styles and dramatic approaches exhibited by a range of operas. Important themes include dramatic and musical conventions, processes of adaptation, cultural and critical questions, and staging as a type of interpretation. Basic scorereading ability required.

E. Pollock

21M.283 Musicals

Prereq: One subject in film, music, or theater or permission of instructor U (Spring) 3-0-9 units. HASS-A

Covers Broadway works and Hollywood films in depth. Proceeds chronologically, exploring landmark stage musicals and films, within four historical categories: breakthrough musicals of the 1920s and '30s; classic "book musicals" of the '40s and '50s; modernist and concept musicals of the '60s and '70s; and postmodern and cuttingedge works of the '80s and '90s. Attention given to the role of music in relation to script, characterization, and dramatic structure. Final papers involve comparison of one stage and one film work, selected in consultation with the instructor. Oral presentations required and in-class performances encouraged.

M. Marks

21M.284 Film Music

Subject meets with CMS.925 Prereq: None U (Fall) 3-0-9 units. HASS-A

Provides a conceptual foundation and methodology for the study of music created for various types of (mainly) narrative films, from the medium's origins in the early twentieth century to the present. Close attention to select influential scores by composers active in Hollywood from the 1940s to the 1990s (e.g., Max Steiner, Bernard Herrmann, Quincy Jones, John Williams, Philip Glass). Those works are juxtaposed with landmarks of alternative film and musical styles from other countries and centers of production. Subsidiary topics include the history and challenges of live musical accompaniment to silent films, and the evolution of recording and sound-editing technologies from the studio era to the global present. Students taking the graduate version complete different assignments. Some background in the study of film and/or music is desirable, but not a prerequisite.

M. Marks

21M.285 The Beatles

Prereg: 21M.301 or permission of instructor U (Fall) 3-0-9 units. HASS-A

Surveys the music of the Beatles, from the band's early years as the Quarrymen (1956-1960), through the rise of "Beatlemania" in the 1960s, and the break-up of the group with the turn of 1970. Listening and reading assignments focus on the construction and analysis of selected songs with the goal of mapping how the Beatles' musical style changed from skiffle and rock to studio-based experimentation and the concept album. Discussions include the cultural influences that helped shape not only the music, but also the image of the group and its individual members, as well as the Beatles' influence on both popular music and culture worldwide. Limited to 21. T. Neff

21M.289 Studies in Western Classical Genres

Prereq: 21M.301 or permission of instructor U (Spring) Not offered regularly; consult department 3-0-9 units. HASS-A Can be repeated for credit.

Explores topics concerned with specific types of classical music, such as repertories for instrumental soloists and/or small ensembles, orchestral works, solo songs, choral works, or compositions for theater, film, or new media. Topics vary and may require additional prerequisites or specialized skills such as scorereading or playing an instrument. Examples include the English madrigal, Baroque chamber music, Beethoven's symphonies, French art song, Wagner's 'Ring' cycle, American choral music, Stravinsky's theater works, and the Hollywood film score. May be repeated for credit with permission of instructor. Staff

21M.291 Music of India

Prereq: None U (Spring) Not offered regularly; consult department 3-0-9 units. HASS-A

Focuses on Hindustani classical music of North India, and also involves learning about the ancient foundations of the rich classical traditions of music and dance of all Indian art and culture. Practice of the ragas and talas through the learning of songs, dance, and drumming compositions. Develops insights through listening, readings, and concert attendance. Staff

21M.292 Musics in Bali

Prerea: None

Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Fall)

3-0-9 units. HASS-A

Studies diverse musical practices in Bali, Indonesia. Students encounter a broad spectrum of Balinese musics — from ancient ritual and court musics to popular genres, internationally renowned gamelan traditions to radical contemporary and fusion compositions - engaging with their structures and techniques through musicmaking, listening analysis, music theory, composition, and dance. Explores the cultural, political, social, and historical contexts of these musics, grappling with complex questions of identity, representation, power, and belief through readings and discussion forums, creative open-ended projects, and in-depth class discussion. No musical experience required. Limited to 15. L. Tilley

21M.293 Music of Africa

Prereq: None

Acad Year 2023-2024: U (Spring) Acad Year 2024-2025: Not offered

3-o-9 units. HASS-A

Studies musical traditions of sub-Saharan Africa, with focus on West Africa. Explores a variety of musical practices and their cultural contexts through listening, reading and writing assignments with an emphasis on class discussion. Includes in-class instruction in drumming, song and dance of Senegal, Ghana, and South Africa, as well as live lecture-demonstrations by guest performers from throughout sub-Saharan Africa. Limited to 15; preference to majors, minors, concentrators. Admittance may be controlled by lottery. P. Tang

21M.294 Popular Musics of the World

Prereq: None U (Fall) 3-0-9 units. HASS-A

Examines select popular music genres from around the world through audio-visual materials, reading assignments, and classroom discussion. Considers issues of globalization, appropriation, and the impact of social media. Case studies include bhangra, Latin pop, Afropop, reggae, Kpop, and global hip-hop. Limited to 25; preference to Music majors, minors, concentrators. Admittance may be controlled by lottery.

P. Tang

21M.295 American Popular Music

Prerea: None U (Spring) 3-0-9 units. HASS-A

Surveys the development of popular music in the US, and in a cross-cultural milieu, relative to the history and sociology of the last two hundred years. Examines the ethnic mixture that characterizes modern music, and how it reflects many rich traditions and styles (minstrelsy, Tin Pan Alley, blues, country, rock, soul, rap, techno, etc.). Provides a background for understanding the musical vocabulary of current popular music styles. Limited to 20. W. Marshall

21M.296 Studies in Jazz and Popular Music

Prereq: None U (Fall, Spring) 3-o-9 units. HASS-A Can be repeated for credit.

Studies of selected topics in popular music and/or jazz. Topics vary. Examples include Duke Ellington, The Beatles, Bob Dylan, and the 1980s. May be repeated for credit with permission of instructor. Staff

21M.297[J] Cultures of Popular Music in East Asia: Japan, Korea, China

Same subject as 21G.095[J] Subject meets with 21G.595 Prereq: None U (Spring) Not offered regularly; consult department 3-0-9 units. HASS-A

See description under subject 21G.095[J]. I. Condry

21M.299 Studies in Global Musics

Prereq: 21M.030 or permission of instructor U (Spring) 3-0-9 units. HASS-A Can be repeated for credit.

Studies of selected topics in ethnomusicology (the study of music in culture). Topics vary. Examples include the social lives of musical instruments, music and storytelling, fieldwork methodologies, music and politics, and theories of global musics. May be repeated for credit with permission of instructor.

Composition/Theory

21M.301 Harmony and Counterpoint I

Subject meets with 21M.541

Prereg: 21M.051, 21M.151, or permission of instructor U (Fall, Spring)

3-3-6 units. HASS-A

Explores the fundamental building blocks of Western diatonic music through regular composition and analysis assignments. Focuses on Western classical music, with complementary topics that engage a broader range of historical periods, traditions, and individuals. Topics include rhythm and meter, harmony and counterpoint within a single key, and a brief overview of form and modulation. Individual skills are addressed through a variety of approaches, including keyboard practice in the required piano and sight singing labs. Local musicians perform final composition projects. Students should have experience reading music. Students taking the graduate version complete additional assignments. Limited to 20 per section. S. Iker, E. Ruehr

21M.302 Harmony and Counterpoint II

Prereq: 21M.301 or permission of instructor U (Fall, Spring) 3-2-7 units. HASS-A

A continuation of 21M.301, including chromatic harmony and modulation, a more extensive composition project, keyboard laboratory, and musicianship laboratory. Limited to 20 per section. S. Iker, P. Child

21M.303 Writing in Tonal Forms I

Prereq: 21M.302 U (Fall, Spring) 3-1-8 units. HASS-A

Written and analytic exercises based on 18th- and 19th-century small forms and harmonic practice found in music such as the chorale preludes of Bach; minuets and trios of Haydn, Mozart, and Beethoven; and the songs and character pieces of Schubert and Schumann. Musicianship laboratory is required. Limited to 20 per section.

C. Shadle

Staff

21M.304 Writing in Tonal Forms II

Prereq: 21M.303 U (Spring) 3-1-8 units. HASS-A

Further written and analytic exercises in tonal music, focusing on larger or more challenging forms. For example, students might compose a sonata-form movement for piano or a two-part invention in the style of Bach. Students have opportunities to write short works that experiment with the expanded tonal techniques of the late 19th and early 20th centuries. Musicianship laboratory is required. Limited to 20.

P. Child

21M.310 Techniques of 20th-Century Composition

Prereq: 21M.302 or permission of instructor U (Fall) 3-o-9 units. HASS-A

Students complete written and analytical exercises based on compositional forms and practices from the first half of the 20th century. Areas covered include compositions based upon artificial scales and modes, as in Debussy, Bartok, and Stravinsky; compositions based on atonal pitch organizations, as with Schoenberg and Webern; compositions based on rhythmic process, timbral exploration, and/or non-Western influences. Basic instrumentation will be taught, and compositions will be performed in class.

C. Shadle

21M.340 Jazz Harmony and Arranging

Prereq: 21M.051, 21M.226, or permission of instructor U (Fall, Spring) 3-0-9 units. HASS-A

Basic harmony and theory of mainstream jazz and blues; includes required listening in jazz, writing and analysis work, and two fullscale arrangements. Serves as preparation for more advanced work in jazz with application to rock and pop music. Performance of student arrangements. Limited to 15. Staff

21M.341 Jazz Composition

Prereg: 21M.226, 21M.340, or permission of instructor U (Fall) Not offered regularly; consult department 3-0-9 units. HASS-A

Jazz writing using tonal, modal, and extended compositional approaches as applied to the blues, the 32-bar song form, and postbop structural designs. Consideration given to a variety of styles and to the ways improvisation informs the compositional process. Study of works by Ellington, Mingus, Parker, Russell, Golson, Coleman, Coltrane, Hancock, Tyner, Davis, and others. Performance of student compositions. Limited to 15. Staff

21M.342 Composing for Jazz Orchestra

Prereq: Permission of instructor U (Spring) Not offered regularly; consult department 3-0-9 units. HASS-A

Explores composition and arrangement for the large jazz ensembles from 1920s foundations to current postmodern practice. Consideration given to a variety of styles and to the interaction of improvisation and composition. Study of works by Basie, Ellington, Evans, Gillespie, Golson, Mingus, Morris, Nelson, Williams, and others. Open rehearsals, workshops, and performances of student compositions by the MIT Festival Jazz Ensemble and the Aardvark Jazz Orchestra. Limited to 15. Staff

21M.351 Music Composition

Subject meets with 21M.505 Prereq: 21M.304, 21M.310, or permission of instructor U (Spring) 3-0-9 units. HASS-A Can be repeated for credit.

Directed composition of original writing involving voices and/ or instruments. Includes a weekly seminar in composition for the presentation and discussion of work in progress. Students are expected to produce at least one substantive work that will be performed in public by the end of the term. Contemporary compositions and major works from 20th-century music literature are studied. Students taking the graduate version complete different assignments.

K. Makan

21M.355 Musical Improvisation

Prereq: Permission of instructor U (Spring) 3-0-9 units. HASS-A

Students study concepts and practice techniques of improvisation in solo and ensemble contexts. Examines relationships between improvisation, composition, and performance based in traditional and experimental approaches. Topics, with occasional guest lectures, may include jazz, non-western music, and western concert music, as well as improvisation with film, spoken word, theater, and dance. Enrollment limited to 15; open by audition to instrumental or vocal performers.

Staff

21M.359 Studies in Musical Composition, Theory and Analysis

Prereq: 21M.051 or permission of instructor U (Fall) Not offered regularly; consult department 3-o-9 units. HASS-A Can be repeated for credit.

Explores techniques associated with musical composition and/ or analysis. Written exercises in the form of music (composition) and/or prose (papers) may be required, depending on the topic. Topics vary each year; examples include fugue, contemporary aesthetics of composition, orchestration, music analysis, or music and mathematics. May be repeated for credit with permission of instructor. Limited to 18.

W. Cutter

Music Technology

21M.361 Electronic Music Composition I

Subject meets with 21M.561

Prereq: None U (Fall, Spring) 2-1-9 units. HASS-A

Students develop basic skills in composition through weekly assignments focusing on sampling and audio processing. Source materials include samples of urban/natural environments, electronically generated sounds, inherent studio/recording noise, and pre-existing recordings. Audio processing includes digital signal processing (DSP) and analog devices. Covers compositional techniques, including mixing, algorithms, studio improvisation, and interaction. Students critique each other's work and give informal presentations on recordings drawn from sound art, experimental electronica, conventional and non-conventional classical electronic works, and popular music. Covers technology, math, and acoustics in varying detail. Students taking graduate version complete different assignments. Limited to 15 per section; ; preference to Music Technology graduate students, Music majors, minors, and concentrators.

P. Whincop

21M.362 Electronic Music Composition II

Subject meets with 21M.562

Prereq: 21M.361 or permission of instructor

Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Spring)

2-2-8 units. HASS-A

Explores sophisticated synthesis techniques, from finely tuned additive to noise filtering and distortion, granular synthesis to vintage emulation. Incorporates production techniques and use of multimedia, with guest lecturers/performers. Considers composing environments such as Max/MSP/Jitter, SPEAR, SoundHack, and Mathematica. Assignments include diverse listening sessions, followed by oral or written presentations, weekly sound studies, critiques, and modular compositions/soundscapes. Prior significant computer music experience preferred. Consult instructor for technical requirements. Students taking graduate version complete different assignments. Limited to 10.

P. Whincop

21M.369 Studies in Music Technology (21M.380)

Subject meets with 21M.569 Prereq: Permission of instructor U (Fall, Spring) 3-0-9 units. HASS-A Can be repeated for credit.

Explores various technologies in relation to musical analysis, composition, performance, culture, and quantitative methods. Topics vary each term and may include development and impact on society, generative and algorithmic music, recording techniques or procedural sound design. May involve hands-on components such as laptop music ensemble, new instrument building, or comparing the theory and practice of audio recording. Students taking graduate version complete different assignments. Limited to 16. I. Hattwick

21M.370 Digital Instrument Design

Subject meets with 21M.570 Prereq: None U (Spring) 3-6-3 units. HASS-A

Covers aesthetic and technical challenges in the creation of physical interfaces for musical performance. will engage in the design and creation of musical interfaces, and learn how to incorporate new technologies in their artistic practice. Topics covered include user experience design for artistic performance, musical humancomputer interaction (HCI), hardware and software standards for digital musical systems, embedded programming and sound synthesis, analog and digital sensors, rapid prototyping and digital manufacturing, and creating performance practices around custom hardware. Students design and build their own digital musical instrument, and present a performance with the instrument as their final project. Students taking graduate version complete different assignments. Limited to 18.

I. Hattwick

21M.383 Computational Music Theory and Analysis

Subject meets with 21M.583 Prereq: 6.1010 and (21M.301 or 21M.302) U (Spring) 3-o-9 units. HASS-A

Covers major approaches to analyzing musical scores using computers. Topics include AI/machine learning of style, musical similarity, encoding, music composition, music perception, and big data repertory studies. Programming assignments given in Python. Culminates in an original final project. Students taking graduate version complete different assignments. Enrollment limited. M. Cuthbert

21M.385[J] Interactive Music Systems

Same subject as 6.4550[J] Subject meets with 21M.585 Prereq: (6.1010 and 21M.301) or permission of instructor U (Fall, Spring) 3-0-9 units. HASS-A

Explores audio synthesis, musical structure, human computer interaction (HCI), and visual presentation for the creation of interactive musical experiences. Topics include audio synthesis; mixing and looping; MIDI sequencing; generative composition; motion sensors; music games; and graphics for UI, visualization, and aesthetics. Includes weekly programming assignments in python. Teams build an original, dynamic, and engaging interactive music system for their final project. Students taking graduate version complete different assignments. Limited to 36. E. Egozy, L. Kaelbling

21M.387[J] Fundamentals of Music Processing

Same subject as 6.3020[J] Subject meets with 21M.587 Prereq: 6.3000 and 21M.051 U (Fall) 3-0-9 units. HASS-A

Analyzes recorded music in digital audio form using advanced signal processing and optimization techniques to understand higherlevel musical meaning. Covers fundamental tools like windowing, feature extraction, discrete and short-time Fourier transforms. chromagrams, and onset detection. Addresses analysis methods including dynamic time warping, dynamic programming, selfsimilarity matrices, and matrix factorization. Explores a variety of applications, such as event classification, audio alignment, chord recognition, structural analysis, tempo and beat tracking, contentbased audio retrieval, and audio decomposition. Students taking graduate version complete different assignments. E. Egozy

Performance

Students may combine or repeat any of the 6-unit subjects listed below for 12 units (one full subject) of credit toward the Humanities, Arts, and Social Sciences (HASS) General Institute Requirement (GIR). See the HASS Requirement website (https://registrar.mit.edu/ registration-academics/academic-requirements/hass-requirement/ substitutions-within-hass-requirement) for details.

21M.401 MIT Concert Choir

Prerea: None U (Fall, Spring) 0-4-2 units

Can be repeated for credit.

Rehearsals and performance of primarily large-scale works for chorus, soloists, and orchestra--from the Passions and Masses of J. S. Bach to oratorios of our own time. Open to graduate and undergraduate students by audition.

W. Cutter

21M.405 MIT Chamber Chorus

Prereq: None U (Fall, Spring) 3-0-3 units

Can be repeated for credit.

Rehearsal and performance of choral repertoire for small chorus, involving literature from the Renaissance to contemporary periods. Limited to 32 by audition.

W. Cutter

21M.410 Vocal Repertoire and Performance

Subject meets with 21M.515

Prereq: None. Coreq: Participation in ensemble for vocalists U (Spring)

3-0-3 units

Can be repeated for credit.

For the singer and/or pianist interested in collaborative study of solo vocal performance. Historical study of the repertoire includes listening assignments of representative French, German, Italian, and English works as sung by noted vocal artists of the genre. Topics include diction as facilitated by the study of the International Phonetic Alphabet; performance and audition techniques; and study of body awareness and alignment through the Alexander Technique and yoga. Admission by audition; Emerson Vocal Scholars contact department.

A. Boyles

21M.421 MIT Symphony

Prerea: None U (Fall, Spring) 0-4-2 units

Can be repeated for credit.

Rehearsals prepare works for concerts and recordings. Analyses of musical style, structure, and performance practice are integrated into rehearsals as a means of enriching musical conception and the approach to performance. Likewise, additional scores of particular structural or stylistic interest are read whenever time permits. Admission by audition.

A. Boyles

21M.423 Conducting and Score-Reading

Prereq: 21M.302 or permission of instructor U (Fall) 3-0-3 units

Can be repeated for credit.

Introduces ensemble conducting as a technical and artistic discipline. Incorporates ear training, score-reading skills and analysis, rehearsal technique, and studies of various philosophies. Attendance of rehearsals and specific concerts required. Opportunities include conducting students, professional musicians, and MIT Symphony Orchestra (when possible). Instrumental proficiency required, although vocalists with keyboard abilities will be accepted. May be repeated once for credit with permission of instructor.

A. Boyles

21M.426 MIT Wind Ensemble

Prereq: None U (Fall, Spring) 0-4-2 units

Can be repeated for credit.

Designed for advanced instrumentalists who are committed to the analysis, performance, and recording of woodwind, brass, and percussion literature from the Renaissance through the 21st century. The repertoire consists primarily of music for small and large wind ensembles. May include ensemble music from Gabrieli to Grainger, Schuller, Mozart, Dvorak, and various mixed media including strings. Performance of newly commissioned works. Opportunities for solo work and work with recognized professional artists and composers. Admission by audition.

F. Harris

21M.442 MIT Festival Jazz Ensemble

Prerea: None U (Fall, Spring) 0-4-2 units Can be repeated for credit.

Designed for instrumentalists dedicated to the analysis, performance, and recording of traditional and contemporary jazz ensemble compositions. Instrumentation includes saxophones, trumpets, trombones, piano, guitar or vibraphone, bass, percussion and occasionally french horn, double reeds, and strings. Provides opportunities to work with professional jazz artists and perform commissioned works by recognized jazz composers. Experience in improvisation preferred but not required. Admission by audition.

21M.445 Chamber Music Society

Prereg: None U (Fall, Spring) 0-4-2 units Can be repeated for credit.

F. Harris

Study of chamber music literature through analysis, rehearsal, and performance. Weekly seminars and coaching. Open to string, piano, brass, woodwind players, and singers. Admission by audition. M. Thompson, N. Lin Douglas, J. Rife, F. Harris, K. Kaumeheiwa, L. Jaye

21M.450 MIT Balinese Gamelan

Prereq: Permission of instructor U (Fall, Spring) 0-3-3 units Can be repeated for credit.

A performing ensemble dedicated to the traditional music of Bali. Members of the ensemble study structures and techniques used on various Balinese gamelan instruments and learn to perform gamelan pieces. No previous experience required. Limited to 25 by audition. G. Komin

21M.451 Collaborative Piano

Subject meets with 21M.514 Prereq: None U (Fall, Spring) Units arranged Can be repeated for credit.

Open by audition to pianists, instrumentalists and singers who wish to explore and develop their talents as collaborative musicians. Students are paired based on availability and receive weekly coachings by appointment. Students practice independently, rehearse with their collaborator, attend their collaborator's lessons as needed, and perform at a juried recital at the end of the term. Students may register for 3 units for a smaller-scale assignment or 6 units for a larger-scale assignment or two small assignments. May satisfy the ensemble requirement for pianists and instrumentalists in the Emerson/Harris program at the discretion of the instructor. Students taking graduate version complete different assignments.

M. Kim

21M.460 MIT Senegalese Drum Ensemble

Prereq: None U (Fall, Spring) o-3-3 units Can be repeated for credit.

A performance ensemble focusing on the sabar drumming tradition of Senegal, West Africa. Study and rehearse Senegalese drumming techniques and spoken word. Perform in conjunction with MIT Rambax drumming group. No previous experience necessary, but prior enrollment in 21M.030 or 21M.293 strongly recommended. Limited to 30 by audition.

L. Toure

21M.470 MIT Laptop Ensemble

Subject meets with 21M.517 Prereq: Permission of instructor U (Fall, Spring) 3-0-3 units Can be repeated for credit.

The MIT Laptop Ensemble is a forum for the exploration of emerging digital musical practices, giving ensemble members hands-on experience with compositional and performance strategies based on current research. Concerts by the ensemble include repertoire drawn both from historical electronic and computer music compositions, as well as new compositions by invited composers. Also includes opportunities for ensemble members to compose for and conduct the ensemble. Weekly rehearsals focus on concepts drawn from a variety of 20th- and 21st-century practices, including experimental and improvised music, telematic performance, gestural controllers, multimedia performance, live coding, and interactive music systems. No previous experience required. Students taking graduate version complete different assignments. Admission by audition. I. Hattwick

21M.475 Music Performance

Subject meets with 21M.511 Prereq: None U (Fall, Spring) 1-2-3 units Can be repeated for credit.

Designed for students who demonstrate considerable technical and musical skills and who wish to develop them through intensive private study. Students must take a weekly lesson, attend a regular performance seminar, participate in a departmental performing group, and participate in a group recital at the end of each term. Full-year commitment required. Information about lesson fees, scholarships, and auditions available in Music Section Office. Students taking graduate version complete different assignments. Admission by audition for Emerson/Harris Program. N. Lin Douglas, M. Thompson

21M.480 Advanced Music Performance

Subject meets with 21M.512 Prereq: None U (Fall, Spring) 1-2-6 units. HASS-A Can be repeated for credit.

Designed for students who demonstrate considerable technical and musical skills and who wish to develop them through intensive private study. Students must take a weekly lesson, attend a regular performance seminar, and participate in a departmental performing group, and present a 50-minute solo recital at the end of the Spring term. Full-year commitment required. Information about lesson fees, scholarships, and auditions available in Music Section Office. Students taking graduate version complete different assignments. Admission by audition for the Emerson/Harris Program.

N. Lin Douglas, M. Thompson

21M.490 Solo Recital

Subject meets with 21M.525 Prereq: Permission of instructor U (Spring) 1-2-6 units. HASS-A Can be repeated for credit.

Solo 50-minute recital prepared with a private teacher and approved by the Emerson Private Studies Committee based on evidence of readiness shown in the Fall Term performances. See Music and Theater Arts website for application deadlines and conditions. Restricted to Emerson Scholars.

N. Lin Douglas, M. Thompson, J. Rife

Advanced/Special Subjects

21M.500 Advanced Seminar in Music

Prereq: Permission of instructor U (Fall) 3-0-9 units. HASS-A Can be repeated for credit.

Seminar that develops analytic and research skills in music history/ culture or theory/composition. Topics vary, but are organized around a particular methodology, musical topic, or collection of works, that allow for application to a variety of interests and genres. Strong emphasis on student presentations, discussion, and a substantial writing project. May be repeated for credit with permission from instructor.

Staff

21M.505 Music Composition

Subject meets with 21M.351 Prereq: 21M.304, 21M.310, or permission of instructor G (Spring) 3-0-9 units Can be repeated for credit.

Directed composition of original writing involving voices and/ or instruments. Includes a weekly seminar in composition for the presentation and discussion of work in progress. Students are expected to produce at least one substantive work that will be performed in public by the end of the term. Contemporary compositions and major works from 20th-century music literature are studied. Students taking the graduate version complete different assignments.

K. Makan

21M.511 Music Performance

Subject meets with 21M.475 Prereq: None G (Fall, Spring) 1-2-3 units Can be repeated for credit.

Designed for students who demonstrate considerable technical and musical skills and who wish to develop them through intensive private study. Students must take a weekly lesson, attend a regular performance seminar, participate in a departmental performing group, and present a 50-minute solo recital at the end of the Spring term. Full-year commitment required. Information about lesson fees, scholarships, and auditions available in Music Section Office. Students taking graduate version complete different assignments. Admission by audition for Emerson/Harris Program.

N. Lin Douglas, M. Thompson

21M.512 Advanced Music Performance

Subject meets with 21M.480 Prereq: None G (Fall, Spring) 1-2-6 units Can be repeated for credit.

N. Lin Douglas, M. Thompson

Designed for students who demonstrate considerable technical and musical skills and who wish to develop them through intensive private study. Students must take a weekly lesson, attend a regular performance seminar, and participate in a departmental performing group, and present a 50-minute solo recital at the end of the Spring term. Full-year commitment required. Information about lesson fees, scholarships, and auditions available in Music Section Office. Students taking graduate version complete different assignments. Admission by audition for the Emerson/Harris Program.

21M.514 Collaborative Piano (New)

Subject meets with 21M.451 Prereq: None G (Fall, Spring) Units arranged Can be repeated for credit.

Open by audition to pianists, instrumentalists and singers who wish to explore and develop their talents as collaborative musicians. Students are paired based on availability and receive weekly coachings by appointment. Students practice independently, rehearse with their collaborator, attend their collaborator's lessons as needed, and perform at a juried recital at the end of the term. Students may register for 3 units for a smaller-scale assignment or 6 units for a larger-scale assignment or two small assignments. May satisfy the ensemble requirement for pianists and instrumentalists the Emerson/Harris program at the discretion of the instructor. Students taking graduate version complete different assignments.

M. Kim

21M.515 Vocal Repertoire and Performance

Subject meets with 21M.410 Prereq: None G (Spring) 3-0-3 units Can be repeated for credit.

For the singer and/or pianist interested in collaborative study of solo vocal performance. Historical study of the repertoire includes listening assignments of representative French, German, Italian, and English works as sung by noted vocal artists of the genre. Topics include diction as facilitated by the study of the International Phonetic Alphabet; performance and audition techniques; and study of body awareness and alignment through the Alexander Technique and yoga. Admission by audition. Emerson Vocal Scholars contact department.

A. Boyles

21M.517 MIT Laptop Ensemble (New)

Subject meets with 21M.470 Prereq: None G (Fall, Spring) 3-0-3 units Can be repeated for credit.

The MIT Laptop Ensemble is a forum for the exploration of emerging digital musical practices, giving ensemble members hands-on experience with compositional and performance strategies based on current research. Concerts by the ensemble include repertoire drawn both from historical electronic and computer music compositions, as well as new compositions by invited composers. Also includes opportunities for ensemble members to compose for and conduct the ensemble. Weekly rehearsals focus on concepts drawn from a variety of 20th- and 21st-century practices, including experimental and improvised music, telematic performance, gestural controllers, multimedia performance, live coding, and interactive music systems. No previous experience required. Students taking graduate version complete different assignments. Admission by audition. *I. Hattwick*

21M.525 Solo Recital

Subject meets with 21M.490 Prereq: None G (Spring) 1-2-6 units Can be repeated for credit.

Emerson Scholars may receive credit for a solo spring recital that has been prepared with and approved by the private teacher and the Emerson Private Studies Committee. Approval based on evidence of readiness shown in first term master classes. Restricted to Emerson Scholars.

N. Lin Douglas, M. Thompson

21M.531 Independent Study in Music

Prereq: Permission of instructor U (Fall, IAP, Summer) Units arranged Can be repeated for credit.

Open to qualified students who wish to pursue independent studies or projects with members of the Music Section. Projects require prior approval by the Music and Theater Arts Chair.

Consult Music Section Office

21M.533 Independent Study in Music

Prereq: Permission of instructor U (Fall, IAP)
Units arranged [P/D/F]
Can be repeated for credit.

Open to qualified students who wish to pursue independent studies or projects with members of the Music Section. Projects require prior approval by the Music and Theater Arts Chair.

Consult Music Section Office

21M.540 Musical Thinking (New)

Prereq: Permission of instructor G (Fall) Not offered regularly; consult department 3-0-9 units

Seminar focusing on developing skills needed to navigate graduate research projects in music. Topics include how to engage with primary and secondary sources, library and archival (real and virtual) collections, and research bibliographies. Emphasizes working with diverse materials, and viewpoints. Ambiguity, uncertainty, and unsolved (and often unsolvable) questions in music research are emphasized. Includes brief overviews of major periods and works of Western Classical music and significant components and differences among three non-Western/non-Classical repertories. *Staff*

21M.541 Harmony and Counterpoint I with Computational Applications (New)

Subject meets with 21M.301
Prereq: None. Coreq: 21M.565 or permission of instructor G (Fall)
Not offered regularly; consult department 3-3-6 units

Explores the fundamental building blocks of Western diatonic music through regular composition and analysis assignments. Focuses on Western classical music, with complementary topics that engage a broader range of historical periods, traditions, and individuals. Topics include rhythm and meter, harmony and counterpoint within a single key, and a brief overview of form and modulation. Individual skills are addressed through a variety of approaches, including keyboard practice in the required piano and sight singing labs. Local musicians perform final composition projects. Students should have experience reading music. Students taking the graduate version submit an additional assignment to the director of the Master of Applied Science in Music Technology and Computation, applying computational methods to the understanding of Harmony and Counterpoint. Limited to 20 per section.

S. Iker, E. Ruehr

21M.560 Introduction to Music Technology (New)

Subject meets with 21M.080 Prereq: None G (Fall, Spring) 3-0-9 units

Investigates how technology is used in the analysis, modeling, synthesis and composition of music, and its contribution to the artistic production practice. With an eye towards historical context as well as modern usage, topics include the physics of sound, digital representations of music, the Digital Audio Workstation (DAW), analog and digital synthesis techniques, MIDI and sequencing, electronic instrument design, notation software, generative music systems, and computational analysis of music. Weekly assignments focus on both theory and practice, requiring technical proficiency, creative output, and aesthetic consideration. Students taking graduate version complete different assignments. Enrollment limited.

I. Hattwick

21M.561 Electronic Music Composition I (New)

Subject meets with 21M.361 Prereq: None G (Fall, Spring) 2-1-9 units

Students develop basic skills in composition through weekly assignments focusing on sampling and audio processing. Source materials include samples of urban/natural environments, electronically generated sounds, inherent studio/recording noise, and pre-existing recordings. Audio processing includes digital signal processing (DSP) and analog devices. Covers compositional techniques, including mixing, algorithms, studio improvisation, and interaction. Students critique each other's work and give informal presentations on recordings drawn from sound art, experimental electronica, conventional and non-conventional classical electronic works, and popular music. Covers technology, math, and acoustics in varying detail. Students taking graduate version complete different assignments. Limited to 15 per section; preference to Music Technology graduate students, Music majors, minors, and concentrators.

P. Whincop

21M.562 Electronic Music Composition II (New)

Subject meets with 21M.362 Prereq: 21M.361, 21M.561, or permission of instructor G (Spring) Not offered regularly; consult department 2-2-8 units

Explores sophisticated synthesis techniques, from finely tuned additive to noise filtering and distortion, granular synthesis to vintage emulation. Incorporates production techniques and use of multimedia, with guest lecturers/performers. Considers composing environments such as Max/MSP/Jitter, SPEAR, SoundHack, and Mathematica. Assignments include diverse listening sessions, followed by oral or written presentations, weekly sound studies, critiques, and modular compositions/soundscapes. Prior significant computer music experience preferred. Consult instructor for technical requirements. Students taking graduate version complete different assignments. Limited to 10. P. Whincop

21M.S53, 21M.S54 Special Subject in Music

Prereq: Permission of instructor U (IAP) Not offered regularly; consult department Units arranged Can be repeated for credit.

Study of musical topics not covered in the regular subject listings, particularly experimental subjects offered by permanent or visiting faculty.

Consult Music Office

Music and Media

21M.565 Programming for Music (New)

Prereq: Permission of instructor Not offered regularly; consult department 2-2-8 units

Introduction to programming skills needed for conducting research in music and music technology. Students develop skills to solve problems using python in music theory, history, performance, and technology and to compose using algorithms and data structures. Covers fundamental aspects of both computer science and software engineering as applied to music, including abstraction, data types, testing and debugging, time complexity, and recursion. Relies on students' prior experience with research methods in music and musical creativity to answer otherwise under-defined problems. Culminates in an individual programming project.

Staff

21M.569 Studies in Music Technology (New)

Subject meets with 21M.369 Prereg: Permission of instructor G (Fall) 3-0-9 units Can be repeated for credit.

Explores various technologies in relation to musical analysis, composition, performance, culture, and quantitative methods. Topics vary each term and may include development and impact on society, generative and algorithmic music, recording techniques or procedural sound design. May involve hands-on components such as laptop music ensemble, new instrument building, or comparing the theory and practice of audio recording. Students taking graduate version complete different assignments. Limited to 16. I. Hattwick

21M.570 Digital Instrument Design (New)

Subject meets with 21M.370 Prereq: None G (Spring) 3-6-3 units

Covers aesthetic and technical challenges in the creation of physical interfaces for musical performance. will engage in the design and creation of musical interfaces, and learn how to incorporate new technologies in their artistic practice. Topics covered include user experience design for artistic performance, musical humancomputer interaction (HCI), hardware and software standards for digital musical systems, embedded programming and sound synthesis, analog and digital sensors, rapid prototyping and digital manufacturing, and creating performance practices around custom hardware. Students design and build their own digital musical instrument, and present a performance with the instrument as their final project. Students taking graduate version complete different assignments. Limited to 18.

I. Hattwick

21M.572 Overview of Music Perception and Cognition (New)

Prereq: Permission of instructor G (Fall; first half of term) Not offered regularly; consult department 2-0-2 units

An overview of perceptual and biological structures of musical and auditory cognition with applications to music research. Differences between acoustical/technological and perceptual interpretations of sound and music are emphasized. Topics include musical memory and anticipation, emotion and psychological functions, and theories of music's origins and functions. Covers ethical and practical considerations of human subject research in music perception and important conclusions from the field. Not open to students who have taken HST.723[J] or HST.725. Staff

21M.573 Overview of Acoustics and the Physics of Sound (New)

Prereq: 21M.572 or permission of instructor G (Fall; second half of term) Not offered regularly; consult department 1-1-2 units

An overview of the physics of wave propagation, absorption, and reflection in sound. Topics include harmonic motion, standing waves in one to three dimensions, interference and distortion, loudness, electro-acoustical modeling, microphones and loudspeakers, and physical models of musical instruments. Laboratory time is spent in measuring and modeling local acoustical spaces, instruments, and sound production. Not open to students who have taken 2.066. Staff

21M.574 Overview of Musical Software and Formats (New)

Prereq: None. Coreq: 21M.565 or permission of instructor G (Fall; first half of term) Not offered regularly; consult department 1-0-3 units

An overview of the practical side of working with music software and formats for research in music technology. Covers audio editing, notation software, and sound/signal tools primarily using opensource examples. Topics include: compression/codecs, commandline and batch operations for automation; translation among formats, differences among and between audio and symbolic formats (including wav, mp3, MIDI, MusicXML, and historic formats). Staff

21M.576 Overview of Mathematics for Music Applications (New)

Prereg: None. Coreg: 21M.565 or permission of instructor G (Fall; first half of term) Not offered regularly; consult department 1-0-3 units

Overview of mathematical tools and their use in music research. Topics include linear algebra and matrices, applications of complex numbers and trigonometric functions, exponentials, summation functions, logarithmic domains, function composition, probability (including Bayes' Theorem), statistics (including tests of significance), and estimating complex functions computationally. All topics are presented in conjunction with musical applications. Staff

21M.577 Overview of the Principles of Signals (New)

Prereq: 21M.576 and 21M.572; Coreq: 21M.573 or permission of instructor G (Fall; second half of term) Not offered regularly; consult department 1-1-2 units

Overview of signal processing techniques for music analysis in the audio domain, including their mathematical representations. Topics include sampling theory, filtering, convolution, and the Fourier transform, particularly in the discrete (digital) domain, with an emphasis on music applications and practice in Python. Staff

21M.580[J] Musical Aesthetics and Media Technology

Same subject as MAS.825[J] Prereq: Permission of instructor G (Fall) Not offered regularly; consult department 3-3-6 units

See description under subject MAS.825[J]. T. Machover

21M.581[J] Projects in Media and Music

Same subject as MAS.826[J] Prereq: MAS.825[J] G (Spring) Not offered regularly; consult department 3-3-6 units Can be repeated for credit.

See description under subject MAS.826[J]. T. Machover

21M.583 Computational Music Theory and Analysis (New)

Subject meets with 21M.383

Prereq: (21M.541 and 21M.565) or permission of instructor G (Spring)

Not offered regularly; consult department 3-0-9 units

Covers major approaches to analyzing musical scores using computers. Topics include AI/machine learning of style, musical similarity, encoding, music composition, music perception, and big data repertory studies. Programming assignments given in Python. Culminates in an original final project. Students taking graduate version complete different assignments. Enrollment limited. M. Cuthbert

21M.585 Interactive Music Systems

Subject meets with 6.4550[J], 21M.385[J] Prereq: (21M.541 and 21M.565) or permission of instructor G (Fall, Spring) 3-0-9 units

Explores audio synthesis, musical structure, human computer interaction (HCI), and visual presentation for the creation of interactive musical experiences. Topics include audio synthesis; mixing and looping; MIDI sequencing; generative composition; motion sensors; music games; and graphics for UI, visualization, and aesthetics. Includes weekly programming assignments in python. Teams build an original, dynamic, and engaging interactive music system for their final project. Students taking graduate version complete different assignments. Limited to 36. E. Egozy

21M.587 Fundamentals of Music Processing

Subject meets with 6.3020[J], 21M.387[J] Prereq: (21M.541, 21M.565, and 21M.577) or permission of instructor G (Fall) 3-0-9 units

Analyzes recorded music in digital audio form using advanced signal processing and optimization techniques to understand higher-level musical meaning. Covers fundamental tools like windowing, feature extraction, discrete and short-time Fourier transforms, chromagrams, and onset detection. Addresses analysis methods including dynamic time warping, dynamic programming, self-similarity matrices, and matrix factorization. Explores a variety of applications, such as event classification, audio alignment, chord recognition, structural analysis, tempo and beat tracking, content-based audio retrieval, and audio decomposition. Students taking graduate version complete different assignments. Enrollment limited.

E. Egozy

21M.589 Studies in Advanced Music Technology and Music Computation (New)

Prereq: (21M.540, 21M.565, and (21M.301 or 21M.541)) or permission of instructor

G (Spring)

Not offered regularly; consult department

3-0-9 units

Can be repeated for credit.

Studies of a selected topic in music technology requiring substantial prior knowledge of music studies, music technology, and computation. Topics vary. Examples include computational modeling of music cognition, artificial intelligence and musical creativity, or real-time Internet musical collaboration. May be repeated for credit with permission of instructor.

Staff

21M.590 Colloquium in Music Technology (New)

Prereq: None G (Fall, Spring)

Not offered regularly; consult department

1-0-0 units

Can be repeated for credit.

Presentations of recent work in music research from both academic and commercial spheres. Students prepare to engage with guest speakers by reading and demonstrating understanding of the sphere of work, attend presentations, and reflect on the work. Enrollment limited with priority to graduate students in music technology. May be repeated for credit with permission of the instructor. Staff

21M.591 Capstone Project in Music Technology (New)

Prereg: (21M.540, 21M.565, and (21M.301 or 21M.541)) or permission of instructor

G (Spring)

Not offered regularly; consult department

1-0-5 units

Preparation for and submission of the capstone project in the MASc in Music Technology. Provides an overview of expectations for the capstone project. Individual meetings with the research director/ subject head and group meetings on the process of developing an idea from foundational music technology subjects with advanced topics learned simultaneously. Culminates in an individual research project and presentation. Restricted to MASc in Music Technology students.

Staff

21M.595 Music Technology And Computation Research Seminar (New)

Prereq: None G (Spring)

Not offered regularly; consult department

2-0-4 units

Development of a thesis-level project in music technology and computation. Individual meetings with the research director/subject head and with individual thesis advisors, together with group meetings on research techniques, musical thinking, and graduatelevel academic writing. Culminates in a submitted prospectus for a graduate project presented to the group. Restricted to SM in Music Technology and Computation students. Staff

21M.THG Directed Research and Thesis in Music Technology and Computation (New)

Prereq: None G (Fall, IAP, Spring, Summer) Not offered regularly; consult department Units arranged

Can be repeated for credit.

Program of research and writing of the SM thesis in Music Technology and Computation. Structure and hours to be arranged by the student with the supervising committee. Restricted to SM in Music Technology and Computation students. Staff

Theater Arts

The subjects listed below are arranged in three sections: Introductory, Intermediate, and Advanced Subjects.

Introductory Subjects

21M.600 Introduction to Acting

Prereq: None U (Fall, Spring) 4-o-8 units. HASS-A

Explores the actor's tools: body, voice, mind, imagination, and the essential self. Through studio exercises, students address issues of honesty and creativity in the theatrical moment, and begin to have a sense of their strengths and limitations as communicating theatrical artists. Provides an opportunity for students to discover their relationship to "the other" in the acting partner, the group, the environment, and the audience. Limited to 20 per section. Staff

21M.601 Drawing for Designers

Prerea: None U (Fall, Spring) 3-0-9 units. HASS-A

Explores drawing as a fundamental component of the design process. In-class drawing exercises focus on developing the handto-eye relationship and pre-visualization skills essential to any designer. Studies the use drawing as a route to understanding space and form and achieving accuracy through expression. By drawing figures, landscapes and/or still life compositions in a variety of media, students investigate the figure/ground relationship while dealing with tone, line, and composition, which are all requisite elements of design. Provides exposure to designers who have used drawing as a central component of their work. Students create a portfolio that includes in-class drawings, studies done outside of class, and one research-based written project. Lab fee required. Limited to 20.

S. Brown

21M.603 Fundamentals of Theater Design

Prereq: None U (Spring) 3-0-9 units. HASS-A

Introduces the fundamental skills and concepts of scenography through a series of individual design projects structured to explore the relationship of the performer to the environment, the interrelation of lighting and stage design, and the evolution of visual narrative. Develops a basic visual literacy for the theater by honing skills in drawing, model building, 3-D modeling, digital image manipulation, and color theory. Projects complimented by study of artworks and theories by Cindy Sherman, Sol LeWitt, Alan Kaprow, Robert Wilson, Bertolt Brecht, Caspar Neher, and others. Lab fee required. Enrollment may be limited.

S. Brown

21M.604[J] Playwriting Fundamentals

Same subject as 21W.754[J] Prereq: None U (Fall) 3-0-9 units. HASS-A

Introduces the craft of writing for the theater, with special attention to the basics of dramatic structure. Through weekly assignments and in-class exercises, students explore character, conflict, language and plasticity in scenes and short plays. In workshop format, students present individual work for feedback and heavily revise their work based on that response. Readings include a variety of plays. K. Urban

21M.605 Voice and Speech for the Actor

Prerea: None U (Fall, Spring) 4-o-5 units. HASS-A Can be repeated for credit.

Concentrates upon freeing the natural voice through awareness of physical, vocal and, at times, emotional habits and the willingness and desire to experience change. Teaches progression of contemporary approaches to voice through in-class vocal exercises. Students use sonnets or poems as vehicles to explore the components of language and the need to communicate and reveal oneself through the voice. Designed for students interested in theater or developing their voices for presentations and professional speaking. Limited to 18; preference to Theater majors, minors, and concentrators who have pre-registered.

K. Eastley, O. D'Ambrosio

21M.606 Introduction to Stagecraft

Prereq: None U (Spring) 4-6-2 units. HASS-A

Provides a foundation in theater technology, examining the creation of a theatrical production from conception to performance. Explores the realization of an artistic and structural vision for a play, taking into account all facets of technical theater: history of productions, types of technical roles, design, drafting, carpentry, costume, lighting, rigging, stage management, sound, and video. Students serve on the production team responsible for building, installing and/or running the department's show that semester. Limited to 18. S. Rodemann

21M.607[J] Playwriting Methods

Same subject as 21W.774[J] Prereq: None U (Spring) 3-0-9 units. HASS-A

Builds understanding of the methods playwrights use to transform an idea - drawn from their own lives, news and current events, even the plays of other writers - into a reality. Students use a variety of inspiration to write their own new scenes and short plays. Examines how research can help develop an idea for a new play and discusses ways to adapt a classic text for the contemporary stage. Writers also conduct personal interviews and use the transcript as source material for a new scene. Enrollment limited.

K. Urban

21M.608[J] Screenwriting

Same subject as 21W.776[J] Prereq: None U (Fall, Spring) 3-0-9 units. HASS-A

Explores the fundamentals of screenplay writing. Presents skills to create compelling characters and stories in different dramatic genres (comedy, drama). In addition to their own writing, students read a selection of screenplays and watch short films that form the basis of class discussion early in the term. Class is modeled on a professional development workshop in which participants, over the course of the term, write a short screenplay, including a final draft. Enrollment limited.

K. Urban

21M.609[J] Introduction to Drama

Same subject as 21L.005[J] Prereq: None U (Fall, Spring) 3-0-9 units. HASS-A; CI-H

See description under subject 21L.005[J]. Enrollment limited. A. Fleche, D. Henderson

21M.622 Physical Improvisation: Scores and Structures

Prereq: None U (Fall) 4-o-8 units. HASS-A Can be repeated for credit.

Explores physical improvisation in dance/theater from a variety of task-based, conceptual vantage points. Focuses on conceptual frameworks for generating intensely physical dramatic actions and dances that unlock the students' creativity. Investigates topics such as narrative, how stories and scenarios can elicit movement and emotionally resonant physical interaction; visual composition, creating movement and actions on stage from an imagistic starting point; and hypothetical worlds, movement based on the creation of rules for alternate worlds (e.g., strange, indigenous time, strange evolution). Explores solos, duets, trios, and larger ensemble improvisations. Enrollment limited. D. Safer

21M.623 Physical Improvisation: Bodies in Motion

Prerea: None U (Fall, Spring) 4-2-6 units. HASS-A Can be repeated for credit.

Explores the realities of the body in space and motion - interacting with gravity, momentum, inertia, alignment, negative space, one's imagination, one's body, other bodies, the present room and rooms from memory, geometry, stillness, and more. By releasing tension and abandoning the notion of pre-planning, students experience a natural, spontaneous flow of movement, opening themselves up to, and diving into, whatever might happen. Develops alertness in order to work in an energetic state of physical disorientation, selfcorrecting what doesn't work and reinforcing what does on the spot, discovering physical/emotional truths and shared moments that leave students aware, centered, incredibly present, and sharply alive. Enrollment limited.

D. Safer

21M.624 Acting with the Camera

Prereq: None U (Fall) 4-o-8 units. HASS-A

Studio workshop explores the discipline of acting for the camera through in-class exercises that focus on the creative challenges inherent to both filming and being filmed. Investigates the performer in the history of cinema, television, and multimedia stage performance through readings, screenings, and experimentation with the theory and practice of performing for and with the camera. Culminates in student-written, edited, directed, and acted short films. Instruction in written and oral communication provided. Limited to 20.

A. Kohler

21M.645 Motion Theater

Prereq: None U (Fall, Spring) 3-0-9 units. HASS-A

Examines the theatrical event from the perspective of composition in a performance workshop. Studio exercises address the process of developing a theatrical work through an internalized understanding of compositional principles in theater. Examines physical action in time and space. Includes outside readings, videos, short essays, and in-class discussions. Provides the performer, director, choreographer, designer or writer opportunities to engage with large and small group ensembles in creation of theatrical events. Topics include image, motion, shape, repetition, gesture, and spatial relationship. Preference to majors, minors, concentrators. Admittance may be controlled by lottery.

J. Scheib

21M.690 Sport as Performance

Prerea: None U (Fall) 3-0-9 units. HASS-A

Seminar investigates the aesthetics of sport as theatrical performance and explores the performance of race, gender, class, nation, and sexuality in sport. Readings drawn from theatre/performance studies, anthropology, sociology, ethnic studies, gender studies, history, and kinesiology. Topics include barnstorming, Olympics, Title IX, Native American mascots, and a variety of sports ranging from football to figure skating. Limited to 18.

C. Conceison

Intermediate Subjects

21M.700 China on Stage

Prereq: None

Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Fall) 3-o-9 units. HASS-A; CI-H

Credit cannot also be received for 21M.701

Explores the role theater productions have played in shaping Chinese society, politics, and cultural exchange during the past century. Topics include censorship, audience reception, and current translingual and cross-cultural trends. Examines plays in English translation, videos, photographs, archival materials, and Englishlanguage books and articles about Chinese theater. Enrollment limited.

C. Conceison

21M.701 China on Stage

Prereq: None Acad Year 2023-2024: Not offered Acad Year 2024-2025: G (Spring) 3-0-9 units Credit cannot also be received for 21M.700

Explores the role theater productions have played in shaping Chinese society, politics, and cultural exchange during the past century. Topics include censorship, audience reception, and current translingual and cross-cultural trends. Examines plays in English translation, videos, photographs, archival materials, and Englishlanguage books and articles about Chinese theater. Enrollment limited.

C. Conceison

21M.702 Live Solo Performance: Monodrama and Composition

Prerea: None

Acad Year 2023-2024: U (Fall) Acad Year 2024-2025: Not offered

3-0-9 units. HASS-A

Studies the theatrical canon of monodramas and solo performances to hone individual acting skills. Goes on to explore each student's original artistic voice by presenting strategies in composing and staging work, thus introducing them to experiments with performing the self in society. Each student creates their own original performance piece by the end of the term. Enrollment limited.

A. Kohler

21M.704 Music Theater Workshop

Prereq: 21M.600 or permission of instructor Acad Year 2023-2024: Not offered

Acad Year 2024-2025: U (Fall)

3-0-9 units. HASS-A

Introduces applications of music in theater and performance. Encourages experimentation with different genres of singing, acting, and movement by exploring an array of historical and contemporary styles and techniques. Students develop and perform their own original songs and textual materials, gaining a theoretical and practical understanding of the actor's contribution to the dynamic form of musical theater. Previous experience in musical theater not required.

Staff

21M.705 Acting Intensive

Prereq: 21M.600 or permission of instructor U (Spring) 4-o-8 units. HASS-A Can be repeated for credit.

Gives students who have begun the process of bringing themselves to a dramatic moment the opportunity to apply their skills to scripted material. Studio work in this class further develops the completeness, spontaneity, and honesty of expression of the actor's body, imagination, and voice; and introduces written material and the problems of synthesizing the self, the moment, and the scripted word. Weekly rehearsals with a scene partner. Enrollment may be limited.

J. Sonenberg, A. Kohler

21M.706 Asian American Theater

Prerea: None Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Fall) 3-1-8 units. HASS-A

Explores the history and impact of Asian American theater. Readings include plays and materials about cultural and political issues, family, and identity. Course includes short formal and creative writing assignments and scene work resulting in a collaborative final performance. Limited to 18.

C. Conceison

21M.707 Theater and Race

Prereq: None Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Fall) 3-o-9 units. HASS-A Can be repeated for credit.

Explores Black, Latinx, Asian American, Indigenous, and/or mixed race theater through the lens of identities and experiences. Emphasis on BIPOC voices, plays, artists, theater ensembles, collectives, and cultural organizations. Topics may include crossethnic casting, public action and activism, and other emerging contemporary performance platforms. Seminar discussions, readings, research and creative projects, sessions with visiting artists and scholars, and attendance of at least one live performance inform and enrich the experience. May be repeated for credit if content differs.

C. Conceison

21M.709[J] Modern Drama

Same subject as 21L.486[J] Prereq: One subject in Literature Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Spring) 3-0-9 units. HASS-A Can be repeated for credit.

See description under subject 21L.486[J]. D. Henderson

21M.710 Script Analysis

Prereq: None U (Fall, Spring) 3-0-9 units. HASS-A; CI-H

Focuses on reading a play's script critically and theatrically, with a view to mounting a coherent production. Through careful, intensive analysis of a variety of plays from different periods and aesthetics, a pattern emerges for discerning what options exist for interpreting a script from the distinct perspectives of the playwright, the actor, the designer, and the director. Students discuss the consequences of those options for production. Enrollment limited.

D. Gammons

21M.711 Production Seminar

Prereq: None

Acad Year 2023-2024: U (Spring) Acad Year 2024-2025: Not offered

3-0-9 units. HASS-A

Pursues detailed study of a particular playtext or theme and is related to some planned production activity during the following IAP. Seminar activities may include guest speakers from various disciplines who approach some aspect of the playtext or theme from the perspective of their fields; various theatrical practitioners; and critical and scholarly presentations by seminar members. Participation in the IAP production is not required.

J. Scheib

21M.712 Choreography: Making Dances

Prereq: None U (Fall, Spring) 4-2-6 units. HASS-A

Laboratory-style class explores and invents techniques used to create dances. Students practice techniques focused on how and where to begin making a dance - sampling some of the endless ways to start a process, such as from the body, an idea, text, or a song and then how to build up from there. Students make dances that are more than just a collection of moves, but events that do something, say something, or ask something. Builds a clear understanding of how a dance has an arc, a clear beginning, middle, and end, so that by doing it or watching it, both participants and audience end up somewhere new. Develops an understating of, and facility with, a wide variety of topics used to explore, start and generate movement, dance and performative events involving bodies moving through space. Enrollment limited.

D. Safer

21M.713 History of American and European Scenography

Prerea: None U (Spring) Not offered regularly; consult department 3-0-9 units. HASS-A

Explores the history of visual theater design from the Ancient Greek theater to contemporary practice. Investigates the forces that shape different scenographic approaches, such as historical events, arts patronage, concurrent movements in art and culture, and technological innovations. Introduces students to the strategies, philosophies, and practice utilized by important design practitioners such as Caspar Neher, Lyubov Popova, Ming Cho Lee, Anna Viebrock, Josef Svoboda and others. Discusses how the fictional architecture of the stage intersects with the material culture. Students choose a designer and develop a project around their work that includes a research paper, a presentation, and the student's recreation of their designs using contemporary visualization technologies. Enrollment limited.

S. Brown

21M.714 Contemporary American Theater

Prereq: None

Acad Year 2023-2024: U (Spring) Acad Year 2024-2025: Not offered 3-0-9 units. HASS-A; CI-H

Examines the exciting terrain of contemporary American writing for the theater, focusing on what is known in New York as "Off Broadway," "downtown," or "indie theater." Students read work by influential playwrights from earlier generations alongside plays by new voices currently in production in Boston, New York, and across the country. Students also examine the changing institution of American theater, reading a selection of plays in order to determine what constellation of issues and concerns they engage. Discussions unpack how these plays reflect, challenge and re-construct the idea of America in the 21st century. Enrollment limited.

K. Urban

21M.715 Topics in Theater Arts

Prereq: Permission of instructor U (Spring) 3-0-9 units Can be repeated for credit.

Multidisciplinary seminar provides opportunity for study in performance theory and practice. Topics vary from term to term; may be taught by visiting faculty. May be repeated for credit if content differs.

Staff

21M.716 Play Translation and Cultural Transmission

Prerea: None

Acad Year 2023-2024: U (Fall) Acad Year 2024-2025: Not offered

3-0-9 units. HASS-A

Through reading texts about translation and by doing an independent project, students develop significant skills in translation theory and practice, culminating in a public staged reading of their translations. Each student chooses a dramatic text from a non-English language and translates a scene during the semester. Readings include topics such as globalization, adaptation, gender in translation, and postcolonial approaches to translation. C. Conceison

21M.719[J] Studies in Drama

Same subject as 21L.703[J] Prereq: Two subjects in Literature Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Spring) 3-0-9 units. HASS-H Can be repeated for credit.

See description under subject 21L.703[J]. Limited to 12. S. Raman

21M.729[J] How We Got to Hamilton

Same subject as 21L.500[J]

Prereq: None

Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Fall) 3-0-9 units. HASS-A

See description under subject 21L.500[J]. Limited to 20. M. Gubar

21M.731 Sound Design for Theater and Dance

Prereq: None

Acad Year 2023-2024: U (Spring) Acad Year 2024-2025: Not offered

4-o-8 units. HASS-A

Introduces the elements of a sound designer's work, such as music and sound effects which inform and make stage action plausible, to sound system design and placement and the use of microphones. Discusses how effective sound design enhances live performance by clarifying storytelling, heightening emotional experience, and making words and music legible to an audience. Provides students with the tools to continue practicing and appreciating the art regardless of their professional ambitions. Enrollment limited. C. Frederickson

21M.732 Costume Design

Prereq: Permission of instructor U (Spring) 3-0-9 units. HASS-A

Studio workshop designed for students who possess a basic understanding of the principles of design and seek a more intensive study of costume. Students develop designs through a collaborative creative process that incorporates production dramaturgy and script analysis, and map those findings to a scenographically charged directorial concept. Fosters period research, conceptual design, and rendering skills through practical studio exercises. Instruction in life drawing, visual presentation, and basic costume construction provides the tools for applying conceptual design skills in performance. Lab fee required.

Staff

21M.733 Set Design

Prereq: None U (Fall)

3-o-9 units. HASS-A

Investigates the creation of set design for live performance. Students develop designs related to current production projects at MIT. Focuses on developing the designer's communication tools, particularly in the areas of visual research, 3-D digital model making, and design presentation. Examines the relationship of set design to theater architecture, emerging media technologies and dramaturgies of the 20th and 21st centuries. In addition to creating their own designs, students research, write about, and present the work and practice of a set designer. Lab fee required.

S. Brown

21M.734 Lighting Design

Prereq: Permission of instructor U (Spring) 4-o-8 units. HASS-A

Explores the history, concepts and techniques of sculpting space with light within a contemporary context. Students experiment with a wide range of approaches, tools, and skills to develop their own creative vision. Focuses on discrete forms that include live performance, installation, architecture, and developments in applied technologies. Studio projects alternate between conceptual studies and realized designs reflective of students' own unique interests and talents. Enrollment may be limited.

J. Higgason

21M.735 Technical Design for Performance

Prereg: 21M.606 or permission of instructor

Acad Year 2023-2024: Not offered Acad Year 2024-2025: U (Spring)

4-o-8 units. HASS-A

Studio examines the role of the technical designer as an integral member of an ensemble. Focusing on the artistic process, students develop their own unique approaches to stage design, lighting, sound, video design and other new media applications for the performing arts. They also explore an array of pre-production research and rehearsal techniques and analyze dramatic texts. Introduces theoretical and practical aspects of technical design, from the budgeting of time and selection of materials, to use of new technologies. Culminates in a public showing of final design projects for an invited audience.

C. Frederickson

21M.737 Interactive Design and Projection for Live Performance

Prereq: None U (Fall) 3-4-5 units. HASS-A

Studies design, history, artistic purposes, and programming techniques involved in the development of interactive performance design systems for controlling video projection, media, and lighting for live performances. Includes readings, viewings of historical and contemporary works, and in class-practice and performance. Students use motion-sensing input devices, such as the Kinect, infrared-light tracking, accelerometers, live video, and generative graphics, to create interactive design systems. Enrollment limited.

J. Higgason

21M.747 Talking and Dancing

Prereq: None U (Fall) 3-0-9 units. HASS-A

Interdisciplinary dance theater studio invites students to investigate the spaces between dance and theater. Students engage in an array of acting and dance techniques to generate text from movement and movement from text. In-studio exercises examine the process of melding the expressive languages of words with languages of the body. Students use existing texts and compose original texts in the development of solo, duet, and ensemble projects. Explores the process of seeing and providing peer feedback to further expand the process of revision. Readings, short writings, video viewings, and guest lectures provide multiple avenues of understanding and illumine differing ways of making. Culminates with an opportunity for students to refine, develop, and share their projects in performance. D. Safer

21M.781 Writing the Full-Length Play

Subject meets with 21M.780J, 21W.780[J] Prereq: None Acad Year 2023-2024: Not offered Acad Year 2024-2025: G (Fall) 3-0-9 units Can be repeated for credit.

Students write and extensively revise a full-length play, from an initial idea to a revised draft. For our purposes, any script longer than thirty minutes and under a hundred minutes is considered a fulllength play. Students respond to each other's work using a method inspired by dancer Liz Lerman, giving non-prescriptive advice and feedback to their fellow writers. Students taking graduate version complete additional assignments. Limited to 10. K. Urban

21M.784 Producing Podcasts

Prereq: None U (Fall, Spring) 3-o-9 units. HASS-A

Students write and produce a pilot episode of a narrative podcast (about fifteen minutes in length); sources come from interviews or research that students conduct. At the start of the term, students pitch possible stories. Discussions of selected episodes of narrative podcasts such as Serial, Homecoming, and This American Life. Introduces the basics of podcast recording with a primer on using Logic Pro X and hardware like the Apogee Duet. Students record and edit a rough draft of their podcast using provided portable recording studio kits. Podcasts shared with the larger MIT community at the Podcast Listening Room at the end of term. Enrollment limited. C. Frederickson

21M.785 Playwrights Lab

Subject meets with 21M.789 Prereg: 21M.780 or permission of instructor U (Spring) 4-o-8 units. HASS-A Can be repeated for credit.

Students workshop their full-length play completed in 21M.780/21M.781 as part of the MTA Playwrights Lab, a collaboration between MIT students and professional actors and directors. Each writer engages in note sessions with a director and prepares a rehearsal draft. Writers attend rehearsals for a staged reading of their work and collaborate with their director and cast. Writers are expected to participate in other readings in the Lab, as a stage direction reader and as an audience member. Following the public presentation of the play, students process the experience and complete a final revision of the script. Students taking graduate version complete additional assignments. Limited to 10. K. Urban

21M.789 Playwrights Lab

Subject meets with 21M.785 Prereq: 21M.781 or permission of instructor G (Spring) 4-0-8 units Can be repeated for credit.

Students workshop their full-length play completed in 21M.780/21M.781 as part of the MTA Playwrights Lab, a collaboration between MIT students and professional actors and directors. Each writer engages in note sessions with a director and prepares a rehearsal draft. Writers attend rehearsals for a staged reading of their work and collaborate with their director and cast. Writers are expected to participate in other readings in the Lab, as a stage direction reader and as an audience member. Following the public presentation of the play, students process the experience and complete a final revision of the script. Students taking graduate version complete additional assignments. Enrollment is limited to 10. K. Urban

21M.790 Fundamentals of Directing

Subject meets with 21M.791

Prereq: None

Acad Year 2023-2024: U (Spring) Acad Year 2024-2025: Not offered

3-0-9 units. HASS-A

Studio workshop introduces students to the collaborative artistic practice of directing for the theater, opera, and other live performance disciplines. Weekly sessions provide students the opportunity to develop innovative theatrical events through rigorous analysis of dramatic texts, social practices, musical scores and libretti, and other source materials. With a focus on collaboration, students conduct dramaturgical research, experiment with behavior and motion, create compositional studies, design interventions, and complete other scenographic exercises culminating in an end-of-semester presentation for an invited audience. Generative studio prompts are complimented by selected readings, field trips, interactions with guest artists, and video viewings. Students are encouraged to bring their own unique points of view and to celebrate difference. Students taking graduate version complete additional assignments.

J. Scheib, D. Safer

21M.791 Fundamentals of Directing

Subject meets with 21M.790 Prereq: None Acad Year 2023-2024: Not offered Acad Year 2024-2025: G (Spring) 3-0-6 units

Studio workshop introduces students to the collaborative artistic practice of directing for the theater, opera, and other live performance disciplines. Weekly sessions provide students the opportunity to develop innovative theatrical events through rigorous analysis of dramatic texts, social practices, musical scores and libretti, and other source materials. With a focus on collaboration, students conduct dramaturgical research, experiment with behavior and motion, create compositional studies, design interventions, and other scenographic exercises culminating in an end-of-semester presentation for an invited audience. Generative studio prompts are complimented by selected readings, fieldtrips, interactions with guest artists, and video viewings. Students are encouraged to bring their own unique points of view and to celebrate difference. Students taking graduate version complete additional assignments. J. Scheib, D. Safer

Advanced Subjects

21M.800 All the World's a Stage: Socio-Political Perspectives in **Global Performance**

Subject meets with 21M.801 Prereq: None U (Fall) Not offered regularly; consult department 3-o-9 units. HASS-A

Investigates repertoire from international creators of theater, opera, performance art, and dance. Explores diverse storytelling and directorial points of view, examining the contexts which inform approaches to performance making. Discusses specific cultural and political shifts that have inspired the work of international artists, such as Marina Abramovic (Serbia), Pina Bausch (Germany), Nora Chipaumire (Zimbabwe), Ping Chong (US/Canada), Peter Sellars (US), and The Yes Men (US). Weekly readings, screenings and guest artists provide the foundation for an understanding of the role of director as an artist who finds inspiration in the contradictions of the world. Students taking graduate version complete additional assignments. C. Brathwaite

21M.801 All the Worlds a Stage: Socio-Political Perspectives in **Global Performance**

Subject meets with 21M.800 Prereq: None G (Fall) Not offered regularly; consult department 3-0-9 units

Investigates repertoire from international creators of theater, opera, performance art, and dance. Explores diverse storytelling and directorial points of view, examining the contexts which inform approaches to performance making. Discusses specific cultural and political shifts that have inspired the work of international artists, such as Marina Abramovic (Serbia), Pina Bausch (Germany), Nora Chipaumire (Zimbabwe), Ping Chong (US/Canada), Peter Sellars (US), and The Yes Men (US). Weekly readings, screenings and guest artists provide the foundation for an understanding of the role of director as an artist who finds inspiration in the contradictions of the world. Students taking graduate version complete additional assignments. C. Brathwaite

21M.803 Performance and Design Workshop

Prereq: Permission of instructor U (Fall, IAP, Summer) o-3-o units

Provides directed practice in the disciplines of performance practice, including design, acting, directing, technical theater, management, dramaturgy and other creative fields. Students test and refine their skills by participating in the creation of produced plays, intensive workshops, installations and other design or performance projects in dance, film, music theater, opera, and other performing arts events. Students work closely with faculty, peers and guest artists. Students seeking to design individual performance and design workshops must be supervised by a theater arts faculty member, and obtain his or her written approval.

Staff

21M.806 Applied Performance and Design Production

Prereq: Permission of instructor U (Fall, IAP, Summer) o-6-o units

Provides opportunities for applied practice in the disciplines of performance, including acting, directing, playwriting, design, technical theater, dramaturgy, and management. Students test and refine their skills in the prototyping of design projects, installations, plays, dance, film, music theater, opera, and other performing arts events. They also apply theory and practice while tracing the research and rehearsal process through production and public presentation in the theater or in the studio. Students seeking to design an applied project must be supervised by a theater arts faculty member, and obtain his or her written approval. Staff

21M.809 Performance and Design Intensive

Prereg: Permission of instructor U (Fall, IAP, Summer) o-9-o units

Multidisciplinary, term-long, independent study geared toward the development of significant artistic and technical projects in performance and design. Students pursue projects in an array of fields and are invited to propose artistic and research projects as actors, directors, designers, dramaturges, and/or technical designers. Often in conjunction with Theater Arts-produced productions, proposals for intensives must be vetted and supervised by a member of the Theater Arts faculty with whom the student will work over the course of term.

Staff

21M.810 Creating the World We Want: Protest, Activism, and **Performance**

Prereq: None U (Spring) Not offered regularly; consult department 3-0-9 units. HASS-A

Subject meets with 21M.811

Investigates how people acting as a collective change the status quo, and how art/performance supports and inspires powerful political, social, economic, and cultural shifts. Discusses the connection between art and activism and performance and world-making, from the Haitian Revolution in 1791 to more contemporary examples — the 1960s Civil Rights era, 1980s Act Up die-ins, and chanting the names of those killed by police violence in solidarity with #BlackLivesMatter in 2020. Studies how art and artistic tools made change possible in the historical and social fights for justice. Examines the challenges facing the oppressed today with the intention of creating work that will serve to inspire change within communities. Students taking graduate version complete additional assignments.

21M.811 Creating the World We Want: Protest, Activism, and Performance

Subject meets with 21M.810 Prereq: None G (Spring) Not offered regularly; consult department 3-0-9 units

Investigates how people acting as a collective change the status quo, and how art/performance supports and inspires powerful political, social, economic, and cultural shifts. Discusses the connection between art and activism and performance and world-making, from the Haitian Revolution in 1791 to more contemporary examples — the 1960s Civil Rights era, 1980s Act Up die-ins, and chanting the names of those killed by police violence in solidarity with #BlackLivesMatter in 2020. Studies how art and artistic tools made change possible in the historical and social fights for justice. Examines the challenges facing the oppressed today with the intention of creating work that will serve to inspire change within communities. Students taking graduate version complete additional assignments.

C. Brathwaite

C. Brathwaite

21M.812 Theater Arts Production (New)

Subject meets with 21M.822 Prereq: None U (Fall, Spring) 3-3-6 units. HASS-A Can be repeated for credit.

Students to join Theater Arts faculty and staff in the development of a fully-staged production for an audience in MIT's laboratory for the performing arts at W97. Students collaborate as performers, designers, writers, choreographers and technicians. Weekly rehearsals, design labs, and workshops introduce students to an array of rehearsal and performance techniques over the course of the term. Culminates in a public performance, open to students at all levels of experience. Each term evolves a different project which may include community-driven interventions, classical or contemporary plays, devised works, screenplays, musicals or other live performance events. Enrollment limited. Staff

21M.816 Advanced Play Translation

Subject meets with 21M.817 Prereq: 21M.716 or permission of instructor Acad Year 2023-2024: U (Fall) Acad Year 2024-2025: Not offered 3-o-9 units. HASS-A

Builds on skills and theories introduced in 21M.716, with the goal of expansion of the one-scene translation project from the previous class into a full-length play translation. Includes selected readings and continued weekly progress on the play translation project, in consultation with instructor. Students taking graduate version complete additional assignments.

C. Conceison

21M.817 Advanced Play Translation

Subject meets with 21M.816 Prereq: None G (Fall) 3-0-9 units

Builds on skills and theories introduced in 21M.716, with goal of expansion of the one-scene translation project from the previous class into a full-length play translation. Includes selected readings and continued weekly progress on the play translation project, in consultation with instructor. Students taking graduate version complete additional assignments.

C. Conceison

21M.820 Production Design Visualization

Subject meets with 21M.821 Prereq: None U (Spring) 3-0-9 units. HASS-A

Engages the skills and techniques used by contemporary production designers to pre-visualize their designs. Students explore perspective drawing, painting, drafting, storyboarding and an array of physical and 3D computer modeling techniques used in theatrical and cinematic production design practices. Emphasizes the combination of digital and analog approaches. Studio projects focus on the challenges of adapting existing found spaces as well as imagined environments for the stage and screen. Using the Nine Square Grid problem, students create virtual reality landscapes and interact dynamically with their production designs in AR and VR. Includes readings, video viewings and talks by guest artists. Students taking graduate version complete additional assignments. S. Brown

21M.821 Production Design Visualization

Subject meets with 21M.820 Prereq: None G (Summer) 3-0-9 units

Engages the skills and techniques used by contemporary production designers to pre-visualize their designs. Students explore perspective drawing, painting, drafting, storyboarding and an array of physical and 3D computer modeling techniques used in theatrical and cinematic production design practices. Emphasizes the combination of digital and analog approaches. Studio projects focus on the challenges of adapting existing found spaces as well as imagined environments for the stage and screen. Using the Nine Square Grid problem, students create virtual reality landscapes and interact dynamically with their production designs in AR and VR. Includes readings, video viewings and talks by guest artists. Students taking graduate version complete additional assignments. S. Brown

21M.822 Theater Arts Production (New)

Subject meets with 21M.812 Prereq: None G (Fall, Spring) 3-3-6 units Can be repeated for credit.

Production studio invites students to join Theater Arts faculty and staff in the development of a fully-staged production for an invited audience in MIT's new laboratory for the performing arts. Students are immersed in the collaboration as performers, designers, writers, choreographers and technicians. Weekly rehearsals, design labs, and workshops introduce students to an array of rehearsal and performance techniques over the course of the semester. Culminating in a public performance, students at all levels of experience are encouraged to join. Each semester evolves a different project which may include community-driven interventions, classical or contemporary plays, devised works, screenplays, musicals or other live performance events. Enrollment limited. Staff

21M.830 Acting: Techniques and Style

Subject meets with 21M.835 Prereq: 21M.600 or permission of instructor U (Fall) 4-o-8 units. HASS-A Can be repeated for credit.

Refines the student actor's use of the language of the stage with work on text and physical presentation. Explores issues of style, including the understanding and honoring, in performance, of the specific requirements from several different periods of the Western theatrical tradition. Periods may differ from term to term. Students taking graduate version complete additional assignments. Staff

21M.835 Acting: Techniques and Style

Subject meets with 21M.830 Prereq: None Acad Year 2023-2024: G (Fall) Acad Year 2024-2025: Not offered 4-0-8 units Can be repeated for credit.

Refines the student actor's use of the language of the stage with work on text and physical presentation. Explores issues of style, including the understanding and honoring, in performance, of the specific requirements from several different periods of the Western theatrical tradition. Periods may differ from term to term. Students taking graduate versions complete additional assignments. Staff

21M.840 Performance Media

Subject meets with 21M.841 Prereq: None U (Summer) 4-o-8 units. HASS-A

Integrates media and communication technologies in performing arts. Studio exercises provide a forum for experimentation. Contemporary and historical techniques for media integration examined through readings, viewing videos and short written essays. Technologies examined include digital imaging, composite and live feed digital video, and web-based performance. Engages the designer, director, choreographer, performer, visual artist or programmer in the practice of integrating media into live art events. Equipment is provided. Students taking graduate version complete additional assignments.

J. Higgason, J. Scheib

21M.841 Performance Media

Subject meets with 21M.840

Prereq: None

Acad Year 2023-2024: G (Summer) Acad Year 2024-2025: Not offered

4-0-8 units

Integrates media and communication technologies in performing arts. Studio exercises provide a forum for experimentation. Contemporary and historical techniques for media integration examined through readings, viewing videos and short written essays. Technologies examined include digital imaging, composite and live feed digital video, and web-based performance. Engages the designer, director, choreographer, performer, visual artist or programmer in the practice of integrating media into live art events. Equipment is provided. Students taking graduate version complete additional assignments.

J. Higgason, J. Scheib

21M.842 Live Cinema Performance

Subject meets with 21M.843 Prereq: None U (Spring) 3-0-9 units. HASS-A

Interdisciplinary studio introduces the theoretical basis, technical idiosyncrasies, and artistic practices of Live Cinema Performance. Examines the meaningful integration of live theatrical and cinematic idioms through merging the disciplines of the performer and the director, scenographer and cinematographer, choreographer and filmmaker. Studio exercises, readings, screenings, field trips, and in-class presentations give students the opportunity to study the history and theory surrounding the development of the genre and engage the artistic practice from both sides of the camera. Guest artists, lectures, and master classes deepen the perspective. Each session focuses on a particular dramatist, theme, or artistic genre, culminating in a research-driven, full-length collaboration, to be presented in the final week of class for an invited audience. Students taking graduate version complete additional assignments. Enrollment limited.

J. Scheib

21M.843 Live Cinema Performance

Subject meets with 21M.842 Prereq: None G (Spring) 3-0-9 units

Interdisciplinary studio introduces the theoretical basis, technical idiosyncrasies, and artistic practices of Live Cinema Performance. Examines the meaningful integration of live theatrical and cinematic idioms through merging the disciplines of the performer and the director, scenographer and cinematographer, choreographer and filmmaker. Studio exercises, readings, screenings, field trips, and in-class presentations give students the opportunity to study the history and theory surrounding the development of the genre and engage the artistic practice from both sides of the camera. Guest artists, lectures, and master classes deepen the perspective. Each session focuses on a particular dramatist, theme, or artistic genre, culminating in a research-driven, full-length collaboration, to be presented in the final week of class for an invited audience. Students taking graduate version complete additional assignments. Enrollment limited.

J. Scheib

21M.846 Topics in Performance Studies

Subject meets with 21M.847 Prereq: None U (Spring) 3-0-9 units. HASS-A Can be repeated for credit.

Multidisciplinary lecture/workshop engages students in a variety of approaches to the study and practice of performance as an area of aesthetic and social interaction. Special attention paid to the use of diverse media in performance. Interdisciplinary approaches to study encourage students to seek out material histories of performance and practice. May be repeated for credit if topics differ.

C. Conceison

21M.847 Topics in Performance Studies

Subject meets with 21M.846 Prereq: None G (Spring) Not offered regularly; consult department 3-0-9 units Can be repeated for credit.

See description under 21M.846. Assignments differ. C. Conceison

21M.848 Performance Studies: Advanced Theories of Sport

Prereq: 21M.690 and permission of instructor U (Spring) Not offered regularly; consult department 3-0-9 units. HASS-A

Seminar explores connections between athletics and theatre, performance studies, sociology, anthropology, and history. Focuses on performance of nation, race, and gender in sport, and how sport performs in society. Specific topics selected based on the research focus of each student. Enrollment limited.

C. Conceison

21M.851 Independent Study in Performance and Design

Prereg: Permission of instructor U (Fall, IAP, Spring, Summer) Units arranged

Multidisciplinary independent study provides opportunity for individual practica in the performing arts. While opportunities may include directed theoretical research and practice in production and performance with permanent and visiting faculty, students are encouraged to propose independent programs of study to a member of the theater arts faculty. Permission of supervising faculty member required.

Theater Arts Staff

21M.861 Topics in Performance Technique

Prerea: None U (Fall, Spring) 3-0-9 units

Can be repeated for credit.

Explores elements of technique in a variety of performance disciplines. Topics vary from term to term; may be taught by visiting faculty. May be repeated for credit if content differs. Enrollment may be limited.

K. Mancuso

21M.862 Topics in Performance Practice

Prereq: None U (Fall, Spring) 4-0-8 units

Can be repeated for credit.

Class explores elements of performance in a studio setting. Topics vary from term to term; may be taught by visiting faculty. May be repeated for credit if content differs. Enrollment may be limited. J. Higgason

21M.863 Advanced Topics in Theater Arts

Prereq: Permission of instructor U (Spring) 3-0-9 units Can be repeated for credit.

Advanced multidisciplinary studio workshop provides opportunity for advanced study in the performing arts. Topics vary from term to term; may be taught by visiting faculty. May be repeated for credit if

Staff

content differs.

21M.864 Research in Theater

Prereq: Permission of instructor U (Fall, IAP, Spring, Summer) Units arranged Can be repeated for credit.

Offers directed research in the spheres of theory, history, performance studies, dramaturgy, etc. Permission of the supervising member of the Theater Arts faculty required.

Consult Staff

21M.865 Research in Theater

Prereg: Permission of instructor G (Fall, IAP, Spring, Summer) Units arranged Can be repeated for credit.

Offers directed research of advanced theatrical subjects occurring in either the performance or theoretical spheres. May be repeated for credit with permission.

Staff

21M.THT Pre-Thesis Tutorial

Prereq: Permission of instructor U (Fall, IAP, Spring) 1-0-5 units Can be repeated for credit.

Definition of and early-stage work on thesis project leading to 21M.THU Undergraduate Thesis in Music or Theater Arts. Taken during the first term, or during IAP, of the student's two-term commitment to the thesis project. Student works closely with an individual faculty tutor. Limited to Music or Theater Arts Majors. Consult Music & Theater Arts Headquarters

21M.THU Undergraduate Thesis

Prereq: 21M.THT or permission of instructor U (Fall, IAP, Spring, Summer) Units arranged Can be repeated for credit.

Completion of work on senior major thesis in Music or Theater Arts under supervision of a faculty tutor. Includes oral presentation of thesis project early in the term, assembling and revising final text and meeting at the close with a committee of Music or Theater Arts faculty evaluators to discuss successes and limitations of the project. Limited to Music or Theater Arts majors. Consult Music and Theater Arts Headquarters

21M.UR Undergraduate Research in Music and Theater Arts

Prereq: None U (Fall, IAP, Spring, Summer) Units arranged [P/D/F] Can be repeated for credit.

Individual participation in ongoing Music and Theater Arts research projects. For students in the Undergraduate Research Opportunities Program.

Staff

21M.URG Undergraduate Research in Music

U (Fall, IAP, Spring, Summer) Units arranged Can be repeated for credit.

Individual participation in an ongoing music research project. For students in the Undergraduate Research Opportunities Progam. Staff