

ภาคผนวก ก

ตัวอย่างรายวิชาศึกษาทั่วไปของมหาวิทยาลัยฮาร์วาร์ด

ตัวอย่างรายวิชาศึกษาทั่วไปของมหาวิทยาลัยฮาร์วาร์ด (Harvard University)

- Introductory Notes
- General Education
- Graduate Seminars in General Education
- Core Curriculum
- Freshman Seminars, Extra-Departmental Courses, and House Seminars
- African and African American Studies
- African Studies
- Anthropology
- Applied Mathematics
- Applied Physics
- Archaeology
- Architecture, Landscape Architecture, and Urban Planning
- Asian Studies Programs
- Astronomy
- Biological Sciences in Dental Medicine
- Biological Sciences in Public Health
- Biophysics
- Biostatistics
- Business Studies
- Celtic Languages and Literatures
- Chemical and Physical Biology
- Chemical Biology
- Chemical Physics
- Chemistry and Chemical Biology
- The Classics

- Comparative Literature
- Computer Science
- Dramatic Arts
- Earth and Planetary Sciences
- East Asian Languages and Civilizations
- Economics
- Engineering Sciences
- English
- Environmental Science and Public Policy
- Ethnic Studies
- European Studies
- Expository Writing
- Film and Visual Studies
- Folklore and Mythology
- Germanic Languages and Literatures
- Global Health
- Government
- Health Policy
- History
- History and Literature
- History of American Civilization
- History of Art and Architecture
- History of Science
- Human Evolutionary Biology
- Inner Asian and Altaic Studies
- Latin American and Iberian Studies
- Life Sciences

- Linguistics
- Literature and Comparative Literature
- Mathematics
- Medical Sciences
- Medieval Studies
- Middle East Program
- Mind, Brain, and Behavior
- Molecular and Cellular Biology
- Music
- Near Eastern Languages and Civilizations
- Neurobiology
- Oceanography
- Organismic and Evolutionary Biology
- Philosophy
- Physics
- Political Economy and Government
- Psychology
- Public Policy
- The Study of Religion
- Romance Languages and Literatures
- Russia, Eastern Europe, and Central Asia
- Sanskrit and Indian Studies
- Slavic Languages and Literatures
- Social Policy
- Social Studies
- Sociology
- South Asian Studies

- Special Concentrations
- Statistics
- Stem Cell and Regenerative Biology
- Systems Biology
- Ukrainian Studies
- Visual and Environmental Studies
- Women, Gender, and Sexuality

ภาคผนวก ข

ตัวอย่างรายวิชาศึกษาทั่วไปของมหาวิทยาลัยสแตนฟอร์ด

ตัวอย่างรายวิชาศึกษาทั่วไปของมหาวิทยาลัยสแตนฟอร์ด (Stanford University)
(ที่เปิดสอนในเดือนกันยายน ค.ศ. 2009)

GER:IHUM. Introduction to the Humanities

GER:DB-EngrAppSci. Disciplinary Breadth, Engineering and Applied Sciences

GER: DB-Hum. Disciplinary Breadth, Humanities

GER: DB-Math. Disciplinary Breadth, Mathematics

GER:DB-NatSci. Disciplinary Breadth, Natural Sciences

GER:DB-SocSci. Disciplinary Breadth, Social Sciences

GER:EC-AmerCul. Education for Citizenship, American Cultures

GER:EC-EthicReas. Education for Citizenship, Ethical Reasoning

GER:EC-Gender. Education for Citizenship, Gender Studies

GER: EC-GlobalCom. Education for Citizenship, Global Community

GER:IHUM. Introduction to the Humanities

IHUM 48. The Art of Living

IHUM 57. Humans and Machines

IHUM 63. Freedom, Equality, Difference

IHUM 64. Journeys

IHUM 65. Race and Reunion: American Memory and the Civil War

IHUM 66. Laws and Orders

IHUM 67. Truth and Morality

SLE 91. Structured Liberal Education

GER:DB-EngrAppSci. Disciplinary Breadth, Engineering and Applied Sciences

AA 100. Introduction to Aeronautics and Astronautics

AA 115N. The Global Positioning System: Where on Earth are We, and What Time is It?

APPPHYS 79N. Energy Options for the 21st Century

BIOC 118Q. Genomics and Medicine

CEE 31. Accessing Architecture Through Drawing

CEE 101C. Geotechnical Engineering

CEE 154. Cases in Estimating Costs (Same as CEE 254)

CEE 161A. Rivers, Streams, and Canals (Same as CEE 264A)

CEE 166A. Watersheds and Wetlands (Same as CEE 266A)

CEE 173A. Energy Resources (Same as EARTHSYS 103, CEE 207A)

CEE 177. Aquatic Chemistry and Biology

CEE 180. Structural Analysis

CEE 181. Design of Steel Structures

CEE 207A. Energy Resources (Same as EARTHSYS 103, CEE 173A)

CEE 254. Cases in Estimating Costs (Same as CEE 154)

CEE 264A. Rivers, Streams, and Canals (Same as CEE 161A)

CEE 266A. Watersheds and Wetlands (Same as CEE 166A)

CHEMENG 35N. Renewable Energy for a Sustainable World

CHEMENG 60Q. Environmental Regulation and Policy

CHEMENG 70Q. Masters of Disaster

CS 21N. Can Machines Know? Can Machines Feel?

CS 74N. Digital Dilemmas

CS 105. Introduction to Computers

CS 106A. Programming Methodology (Same as ENGR 70A)

CS 106B. Programming Abstractions (Same as ENGR 70B)

CS 106X. Programming Abstractions (Accelerated) (Same as ENGR 70X)

CS 107. Computer Organization and Systems

CS 108. Object-Oriented Systems Design

CS 143. Compilers

CS 144. Introduction to Computer Networking

CS 145. Introduction to Databases

CS 148. Introduction Computer Graphics and Imaging

CS 154. Introduction to Automata and Complexity Theory

CS 157. Logic and Automated Reasoning

CS 161. Design and Analysis of Algorithms

EARTHSYS 103. Energy Resources (Same as CEE 173A, CEE 207A)

EE 14N. Things about Stuff

EE 20N. Hacking Stuff

EE 21N. What is Nanotechnology?

EE 101B. Circuits II

EE 102B. Signal Processing and Linear Systems II

EE 108A. Digital Systems I

EE 108B. Digital Systems II

EE 114. Fundamentals of Analog Integrated Circuit Design

EE 136. Introduction to Nanophotonics and Nanostructures

EE 141. Engineering Electromagnetics

EE 261. The Fourier Transform and Its Applications

EE 268. Introduction to Modern Optics

EE 271. Introduction to VLSI Systems

EE 278. Introduction to Statistical Signal Processing

ENERGY 120. Fundamentals of Petroleum Engineering (Same as ENGR 120)

ENGR 14. Applied Mechanics: Statics

ENGR 15. Dynamics

ENGR 30. Engineering Thermodynamics

ENGR 40. Introductory Electronics

ENGR 50M. Introduction to Materials Science, Biomaterials Emphasis

ENGR 60. Engineering Economy

ENGR 62. Introduction to Optimization (Same as MS&E 111)

ENGR 70A. Programming Methodology (Same as CS 106A)

ENGR 70B. Programming Abstractions (Same as CS 106B)

ENGR 70X. Programming Abstractions (Accelerated) (Same as CS 106X)

ENGR 120. Fundamentals of Petroleum Engineering (Same as ENERGY 120)

MATSCI 151. Microstructure and Mechanical Properties (Same as MATSCI 251)

MATSCI 154. Solid State Thermodynamics

MATSCI 156. Solar Cells, Fuel Cells, and Batteries: Materials for the Energy Solution (Same as MATSCI 256)

MATSCI 192. Materials Chemistry (Same as MATSCI 202)

MATSCI 193. Atomic Arrangements in Solids (Same as MATSCI 203)

MATSCI 202. Materials Chemistry (Same as MATSCI 192)

MATSCI 203. Atomic Arrangements in Solids (Same as MATSCI 193)

MATSCI 251. Microstructure and Mechanical Properties (Same as MATSCI 151)

MATSCI 256. Solar Cells, Fuel Cells, and Batteries: Materials for the Energy Solution (Same as MATSCI 156)

ME 12N. The Jet Engine

ME 80. Mechanics of Deformable Bodies

ME 101. Visual Thinking

ME 116. Advanced Product Design: Formgiving

ME 131A. Heat Transfer

ME 150. Internal Combustion Engines

ME 161. Dynamic Systems, Vibrations and Control (Same as ME 261)

ME 261. Dynamic Systems, Vibrations and Control (Same as ME 161)

MS&E 107. Interactive Management Science (Same as MS&E 207)

MS&E 111. Introduction to Optimization (Same as ENGR 62)

MS&E 120. Probabilistic Analysis

MS&E 207. Interactive Management Science (Same as MS&E 107)

MUSIC 192A. Foundations of Sound-Recording Technology

OSPAUSTL 10. Coral Reef Ecosystems

OSPAUSTL 20. Coastal Resource Management

OSPAUSTL 30. Coastal Forest Ecosystems

OSPBER 40B. Introductory Electronics

OSPBER 50B. Introductory Science of Materials

OSPFLO 50F. Introductory Science of Materials

OSPPARIS 40P. Introductory Electronics

OSPPARIS 50P. Introductory Science of Materials

OSPSANTG 58. Living Chile: A Land of Extremes

GER:DB-Hum. Disciplinary Breadth, Humanities

AFRICAAM 54N. African American Women's Lives (Same as HISTORY 54N)

AMELANG 31. The Contemporary Arab World and Culture through Literature

AMELANG 127. Land and Literature

AMSTUD 114N. Visions of the 1960s

AMSTUD 137. Jefferson in Paris

AMSTUD 183. Border Crossings and American Identities (Same as CSRE 183)

AMSTUD 214. The American 1960s: Thought, Protest, and Culture

ARTHIST 1. Introduction to the Visual Arts

ARTHIST 101. Archaic Greek Art (Same as CLASSART 101, CLASSART 201, ARTHIST 301)

ARTHIST 121. 18th-Century Art in Europe, ca 1660-1780 (Same as ARTHIST 321)

ARTHIST 176. Feminism and Contemporary Art (Same as ARTHIST 376)

ARTHIST 301. Archaic Greek Art (Same as ARTHIST 101, CLASSART 101, CLASSART 201)

ARTHIST 321. 18th-Century Art in Europe, ca 1660-1780 (Same as ARTHIST 121)

ARTHIST 376. Feminism and Contemporary Art (Same as ARTHIST 176)

ARTHIST 386. Theme and Style in Japanese Art (Same as JAPANGEN 186, JAPANGEN 286)

CHINGEN 91. Traditional East Asian Culture: China

CLASSART 21Q. Eight Great Archaeological Sites in Europe

CLASSART 101. Archaic Greek Art (Same as ARTHIST 101, CLASSART 201, ARTHIST 301)

CLASSART 201. Archaic Greek Art (Same as ARTHIST 101, CLASSART 101, ARTHIST 301)

CLASSGEN 6N. Antigone: From Ancient Democracy to Contemporary Dissent (Same as

DRAMA 12N)

CLASSGEN 22N. Technologies of Civilization: Writing, Number and Money

CLASSGEN 163. Texts in History: Classics from Greece to Rome (Same as HUMNTIES 161,

DRAMA 161R)

CLASSGEN 174. Martyrdom in the Ancient World (Same as RELIGST 174)

COMPLIT 41Q. Ethnicity and Literature

COMPLIT 121. Poems, Poetry, Worlds: An Introductory Course

COMPLIT 133. Salome, Modernity, and the Aesthetics of Transgression

COMPLIT 141. Literature and Society in Africa and the Caribbean (Same as FRENLIT 133)

COMPLIT 151. Bodies and the Modern Uncanny

CSRE 183. Border Crossings and American Identities (Same as AMSTUD 183)

DANCE 170. Postmodern Road Trips: Viewing and Reviewing Contemporary Live Performances

DRAMA 11N. Dramatic Tensions: Theater and the Marketplace

DRAMA 12N. Antigone: From Ancient Democracy to Contemporary Dissent (Same as CLASSGEN 6N)

DRAMA 110. The Nature of Individual Art Practice: Ralph Lemon

DRAMA 161R. Texts in History: Classics from Greece to Rome (Same as HUMNTIES 161, CLASSGEN 163)

DRAMA 180Q. Noam Chomsky: The Drama of Resistance

DRAMA 189Q. Mapping and Wrapping the Body

ENGLISH 43. Introduction to African American Literature (Same as ENGLISH 143)

ENGLISH 47. Masterpieces of Contemporary Literature (Same as ENGLISH 147)

ENGLISH 60. Poetry and Poetics (Same as ENGLISH 160)

ENGLISH 61N. British Romanticism and Poetic Form

ENGLISH 62N. Eros in Modern American Poetry

ENGLISH 64N. Growing Up in America

ENGLISH 65N. Contemporary Women Fiction Writers

ENGLISH 102. Chaucer

ENGLISH 116A. The Poetry of John Milton

ENGLISH 126D. Victorian Sex

ENGLISH 134. The Marriage Plot

ENGLISH 135C. The Fiction of Dickens and Carroll

ENGLISH 136A. The Lyric in 19th-Century Britain

ENGLISH 142G. 20th-Century American Fiction

ENGLISH 143. Introduction to African American Literature (Same as ENGLISH 43)

ENGLISH 146C. Hemingway, Hurston, Faulkner, and Fitzgerald

ENGLISH 147. Masterpieces of Contemporary Literature (Same as ENGLISH 47)

ENGLISH 154A. The Modernist Novel

ENGLISH 160. Poetry and Poetics (Same as ENGLISH 60)

ENGLISH 163. Shakespeare

ENGLISH 170. Literary Criticism and Literary Texts

ENGLISH 185. Sex, Sacrifice, and Civilization: Baroque Opera and Tragedy (Same as MUSIC 190H, HUMNTIES 185)

ETHICSOC 171. Justice (Same as PHIL 171, PHIL 271, POLISCI 136S, PUBLPOL 307, IPS 208, PUBLPOL 103C)

FEMST 153. Women and the Creative Imagination (Same as FEMST 253)

FEMST 253. Women and the Creative Imagination (Same as FEMST 153)

FILMSTUD 100A. History of World Cinema I, 1895-1929 (Same as FILMSTUD 300A)

FILMSTUD 300A. History of World Cinema I, 1895-1929 (Same as FILMSTUD 100A)

FRENLIT 130. Survey of French Literature: Medieval and Renaissance

FRENLIT 133. Literature and Society in Africa and the Caribbean (Same as COMPLIT 141)

GERGEN 125. Varieties of freedom in German culture

GERGEN 246. Being at Home in the World: Kant's Critique of the Power of Judgment

GERGEN 268A. Freud and the Enterprise of Psychoanalysis

HISTORY 54N. African American Women's Lives (Same as AFRICAAM 54N)

HISTORY 110C. Introduction to Modern Europe

HISTORY 120A. Russian Civilization from Beginnings to the Enlightenment (Same as HISTORY 20A)

HISTORY 134A. The European Witch Hunts (Same as HISTORY 34A)

HISTORY 154A. Religion and American Society

HISTORY 185B. Jews in the Modern World

HISTORY 194B. Japan in the Age of the Samurai (Same as HISTORY 94B)

HISTORY 233C. Two British Revolutions (Same as HISTORY 333C)

HISTORY 233F. Political Thought in Early Modern Britain

HISTORY 254. Popular Culture and American Nature

HISTORY 295J. Chinese Women's History

HISTORY 333C. Two British Revolutions (Same as HISTORY 233C)

HPS 60. Introduction to Philosophy of Science (Same as PHIL 60)

HPS 220. Nineteenth-Century Philosophy of Science

HUMNTIES 161. Texts in History: Classics from Greece to Rome (Same as DRAMA 161R, CLASSGEN 163)

HUMNTIES 185. Sex, Sacrifice, and Civilization: Baroque Opera and Tragedy (Same as ENGLISH 185, MUSIC 190H)

ILAC 136. Survey of Modern Iberian Literatures

ILAC 240E. Borges and Philosophy

INTNLREL 141A. Camera as Witness: International Human Rights Documentaries

IPS 208. Justice (Same as PHIL 171, ETHICSOC 171, PHIL 271, POLISCI 136S, PUBLPOL 307, PUBLPOL 103C)

ITALLIT 127. Inventing Italian Literature: Dante, Boccaccio, Petrarca

ITALLIT 283. Modern Italian Poetry

JAPANGEN 75N. Around the World in Seventeen Syllables: Haiku in Japan, the U.S., and the Digital World

JAPANGEN 121. Translating Japan, Translating the West (Same as JAPANGEN 221)

JAPANGEN 186. Theme and Style in Japanese Art (Same as ARTHIST 386, JAPANGEN 286)

JAPANGEN 221. Translating Japan, Translating the West (Same as JAPANGEN 121)

JAPANGEN 286. Theme and Style in Japanese Art (Same as JAPANGEN 186, ARTHIST 386)

JAPANLIT 170. The Tale of Genji and Its Historical Reception (Same as JAPANLIT 270)

JAPANLIT 270. The Tale of Genji and Its Historical Reception (Same as JAPANLIT 170)

MUSIC 6A. From Gamelan to Kabuki: Musical Traditions of Far East Asia

MUSIC 11N. A View from the Podium: The Art of Conducting

MUSIC 19. Introduction to Music Theory

MUSIC 20A. Jazz Theory

MUSIC 21. Elements of Music I

MUSIC 23. Elements of Music III

MUSIC 38N. Singing Early Music

MUSIC 40. Music History to 1600

MUSIC 122C. Introduction to 20th-Century Composition

MUSIC 123. Undergraduate Seminar in Composition

MUSIC 127. Instrumentation and Orchestration

MUSIC 145. Studies in Modern Music (Same as MUSIC 245)

MUSIC 147. The Soul Tradition in African American Music (Same as MUSIC 247)

MUSIC 190H. Sex, Sacrifice, and Civilization: Baroque Opera and Tragedy (Same as ENGLISH 185, HUMNTIES 185)

MUSIC 245. Studies in Modern Music (Same as MUSIC 145)

MUSIC 247. The Soul Tradition in African American Music (Same as MUSIC 147)

OSPBER 32. The Stage in Dialogue with History: German Theater from the End of WWII to the End of the Cold War

OSPBER 60. Cityscape as History: Architecture and Urban Design in Berlin

OSPFLOR 26. Greeks and Etruscans in the Archaeology of Ancient Italy

OSPFLOR 27. Ancients and Moderns in the Making of the Italian Nation

OSPFLOR 34. The Woman in Florentine Art

OSPFLOR 115Y. The Duomo and Palazzo della Signoria: Symbols of a Civilization

OSPFLOR 134F. Modernist Italian Cinema

OSPMADR 40. Introduction to Literary and Cultural Analysis in the Spanish World

OSPMADR 63. Spanish Society Through the Eye of the Camera

OSPOXFRD 15. British Architecture and the Renaissance: 1500-1850

OSPOXFRD 17. Novels of Sensation: Gothic, Detective Story, Prohibition, and Transgression in Victorian Fiction

OSPOXFRD 27. Medical Ethics through Literature and Film

OSPOXFRD 66. Oxford: The Culture of the City

OSPOXFRD 163X. Shakespeare: Critical Commentary

OSPPARIS 31. American Writers in 20th Century Paris

OSPPARIS 47. Women in French Cinema

OSPPARIS 107Y. The Age of Cathedrals: Religious Art and Architecture in Medieval France

OSPSANTG 14. Women Writers of Latin America in the 20th Century

PHIL 10. God, Self, and World: An Introduction to Philosophy

PHIL 15N. Freedom, Community, and Morality

PHIL 60. Introduction to Philosophy of Science (Same as HPS 60)

PHIL 80. Mind, Matter, and Meaning

PHIL 125. Kant's First Critique (Same as PHIL 225)

PHIL 138. Recent European Philosophy: Between Nature and History (Same as PHIL 238)

PHIL 165. Philosophy of Physics (Same as PHIL 265)

PHIL 167B. Philosophy, Biology, and Behavior (Same as PHIL 267B)

PHIL 171. Justice (Same as ETHICSOC 171, PHIL 271, POLISCI 136S, PUBLPOL 307, IPS 208, PUBLPOL 103C)

PHIL 180. Metaphysics (Same as PHIL 280)

PHIL 194E. Beauty and Other Forms of Value

PHIL 225. Kant's First Critique (Same as PHIL 125)

PHIL 238. Recent European Philosophy: Between Nature and History (Same as PHIL 138)

PHIL 265. Philosophy of Physics (Same as PHIL 165)

PHIL 267B. Philosophy, Biology, and Behavior (Same as PHIL 167B)

PHIL 271. Justice (Same as PHIL 171, ETHICSOC 171, POLISCI 136S, PUBLPOL 307, IPS 208, PUBLPOL 103C)

PHIL 279. Collectivities

PHIL 280. Metaphysics (Same as PHIL 180)

POLISCI 136S. Justice (Same as PHIL 171, ETHICSOC 171, PHIL 271, PUBLPOL 307, IPS 208, PUBLPOL 103C)

POLISCI 336J. Collectivities (Same as)

PORTLANG 193Q. Spaces and Voices of Brazil through Film

PUBLPOL 103C. Justice (Same as PHIL 171, ETHICSOC 171, PHIL 271, POLISCI 136S, PUBLPOL 307, IPS 208)

PUBLPOL 307. Justice (Same as PHIL 171, ETHICSOC 171, PHIL 271, POLISCI 136S, IPS 208, PUBLPOL 103C)

RELIGST 16N. The Story of Human Virtues

RELIGST 95. How to Read the Bible

RELIGST 102. Modern Islam

RELIGST 144. John Calvin and Christian Faith

RELIGST 156. Goddesses and Gender in Hinduism

RELIGST 174. Martyrdom in the Ancient World (Same as CLASSGEN 174)

RELIGST 174E. Kierkegaard: Existentialism and Religion

RELIGST 201. Classical Islamic Law (Same as RELIGST 301)

RELIGST 222B. Sufism Seminar (Same as RELIGST 322B)

RELIGST 247. Chinese Buddhist Texts (Same as RELIGST 347)

RELIGST 258. Japanese Buddhist Texts (Same as RELIGST 358)

RELIGST 301. Classical Islamic Law (Same as RELIGST 201)

RELIGST 322B. Sufism Seminar (Same as RELIGST 222B)

RELIGST 347. Chinese Buddhist Texts (Same as RELIGST 247)

RELIGST 358. Japanese Buddhist Texts (Same as RELIGST 258)

SLAVGEN 77Q. Russia's Weird Classic: Nikolai Gogol

SLAVGEN 145. Age of Experiment: From Pushkin to Gogol (Same as SLAVGEN 245)

SLAVGEN 245. Age of Experiment: From Pushkin to Gogol (Same as SLAVGEN 145)

SLE 91. Structured Liberal Education

SPECLANG 198Q. Modern Greece in Film and Literature

GER:DB-Math. Disciplinary Breadth, Mathematics

BIO 141. Biostatistics (Same as STATS 141)

CME 100. Vector Calculus for Engineers (Same as ENGR 154)

CS 103. Mathematical Foundations of Computing

ECON 50. Economic Analysis I

ECON 102A. Introduction to Statistical Methods (Postcalculus) for Social Scientists

ENGR 154. Vector Calculus for Engineers (Same as CME 100)

MATH 19. Calculus

MATH 41. Calculus

MATH 41A. Calculus ACE

MATH 42. Calculus

MATH 42A. Calculus ACE

MATH 51. Linear Algebra and Differential Calculus of Several Variables

MATH 51A. Linear Algebra and Differential Calculus of Several Variables, ACE

MATH 51H. Honors Multivariable Mathematics

MATH 52. Integral Calculus of Several Variables

MATH 53. Ordinary Differential Equations with Linear Algebra

MATH 104. Applied Matrix Theory

MATH 106. Functions of a Complex Variable

MATH 108. Introduction to Combinatorics and Its Applications

MATH 115. Functions of a Real Variable

MATH 120. Modern Algebra

MATH 131P. Partial Differential Equations I

MATH 136. Stochastic Processes (Same as STATS 219)

MATH 145. Algebraic Geometry

MATH 147. Differential Topology

MATH 152. Elementary Theory of Numbers

MATH 171. Fundamental Concepts of Analysis

MATH 180. Introduction to Financial Mathematics

PHIL 50. Introductory Logic

PHIL 150. Basic Concepts in Mathematical Logic (Same as PHIL 250)

PHIL 250. Basic Concepts in Mathematical Logic (Same as PHIL 150)

POLISCI 150A. Political Methodology I (Same as POLISCI 350A)

POLISCI 350A. Political Methodology I (Same as POLISCI 150A)

PSYCH 10. Introduction to Statistical Methods: Precalculus (Same as STATS 60, STATS 160)

STATS 47N. Breaking the Code?

STATS 50. Mathematics of Sports (Same as MCS 100)

STATS 60. Introduction to Statistical Methods: Precalculus (Same as PSYCH 10, STATS 160)

STATS 110. Statistical Methods in Engineering and the Physical Sciences

STATS 116. Theory of Probability

STATS 141. Biostatistics (Same as BIO 141)

STATS 160. Introduction to Statistical Methods: Precalculus (Same as PSYCH 10, STATS 60)

STATS 219. Stochastic Processes (Same as MATH 136)

GER:DB-NatSci. Disciplinary Breadth, Natural Sciences

ANTHRO 171. The Biology and Evolution of Language (Same as ANTHRO 271, HUMBIO 145L)

ANTHRO 271. The Biology and Evolution of Language (Same as ANTHRO 171, HUMBIO 145L)

BIO 11N. Biotechnology in Everyday Life

BIO 34N. Hunger

BIO 41. Genetics, Biochemistry, and Molecular Biology

BIO 101. Ecology

BIO 143. Evolution (Same as BIO 243)

BIO 151. Mechanisms of Neuron Death

BIO 153. Cellular Neuroscience: Cell Signaling and Behavior (Same as PSYCH 120)

BIO 160A. Developmental Biology I

BIO 163. Neural Systems and Behavior (Same as BIO 263, HUMBIO 163)

BIO 185. Evolution of Reproductive Social Behavior (Same as BIO 285)

BIO 243. Evolution (Same as BIO 143)

BIO 263. Neural Systems and Behavior (Same as BIO 163, HUMBIO 163)

BIO 285. Evolution of Reproductive Social Behavior (Same as BIO 185)

CEE 63. Weather and Storms (Same as CEE 263C)

CEE 195A. Fundamentals of Structural Geology (Same as GES 111A)

CEE 263C. Weather and Storms (Same as CEE 63)

CHEM 31A. Chemical Principles I

CHEM 31X. Chemical Principles

CHEM 35. Organic Monofunctional Compounds

CHEM 36. Organic Chemistry Laboratory I

CHEM 130. Organic Chemistry Laboratory II

CHEM 131. Organic Polyfunctional Compounds

CHEM 135. Physical Chemical Principles

CHEM 171. Physical Chemistry

EARTHSYS 10. Introduction to Earth Systems

EARTHSYS 144. Fundamentals of Geographic Information Science (GIS) (Same as EESS 164)

EARTHSYS 272. Antarctic Marine Geology (Same as EESS 242)

EESS 37N. Energy and the Environment on the Back of an Envelope

EESS 164. Fundamentals of Geographic Information Science (GIS) (Same as EARTHSYS 144)

EESS 242. Antarctic Marine Geology (Same as EARTHSYS 272)

ENGR 31. Chemical Principles with Application to Nanoscale Science and Technology

GEOPHYS 222. Reflection Seismology

GES 1A. Introduction to Geology: The Physical Science of the Earth

GES 111A. Fundamentals of Structural Geology (Same as CEE 195A)

GES 130. Soil Physics and Hydrology

GES 171. Geochemical Thermodynamics

GES 222. Planetary Systems: Dynamics and Origins

HUMBIO 2A. Genetics, Evolution, and Ecology

HUMBIO 91Q. Neuroethology: The Neural Control of Behavior

HUMBIO 139. Sports Medicine

HUMBIO 145L. The Biology and Evolution of Language (Same as ANTHRO 171, ANTHRO 271)

HUMBIO 163. Neural Systems and Behavior (Same as BIO 163, BIO 263)

OSPBEIJ 18. Nature and Nurture in Brain Development and Behavior

PHYSICS 15. The Nature of the Universe

PHYSICS 19. How Things Work: An Introduction to Physics

PHYSICS 21. Mechanics and Heat

PHYSICS 45. Light and Heat

PHYSICS 50. Astronomy Laboratory and Observational Astronomy

PHYSICS 61. Mechanics and Special Relativity

PHYSICS 70. Foundations of Modern Physics

PHYSICS 83N. Physics in the 21st Century

PSYCH 30. Introduction to Perception

PSYCH 50. Introduction to Cognitive Neuroscience

PSYCH 120. Cellular Neuroscience: Cell Signaling and Behavior (Same as BIO 153)

GER:DB-SocSci. Disciplinary Breadth, Social Sciences

ANTHRO 3. Introduction to Prehistoric Archaeology (Same as ARCHLGY 1)

ANTHRO 21N. The Anthropology of Globalization

ANTHRO 102A. Ancient Civilizations: Complexity and Collapse (Same as ANTHRO 202A)

ANTHRO 126. Cities in Comparative Perspective (Same as URBANST 114)

ANTHRO 131. The Politics of Humanitarianism (Same as ANTHRO 231)

ANTHRO 144A. Introduction to Feminist Studies (Same as FEMST 101)

ANTHRO 202A. Ancient Civilizations: Complexity and Collapse (Same as ANTHRO 102A)

ANTHRO 231. The Politics of Humanitarianism (Same as ANTHRO 131)

ARCHLGY 1. Introduction to Prehistoric Archaeology (Same as ANTHRO 3)

CHINGEN 73. Chinese Language, Culture, and Society

COMM 1A. Media Technologies, People, and Society (Same as COMM 211)

COMM 104. Reporting, Writing, and Understanding the News

COMM 106. Communication Research Methods (Same as COMM 206)

COMM 125. Perspectives on American Journalism (Same as COMM 225)

COMM 162. Analysis of Political Campaigns (Same as POLISCI 323S, COMM 262)

COMM 206. Communication Research Methods (Same as COMM 106)

COMM 211. Media Technologies, People, and Society (Same as COMM 1A)

COMM 225. Perspectives on American Journalism (Same as COMM 125)

COMM 262. Analysis of Political Campaigns (Same as POLISCI 323S, COMM 162)

ECON 1A. Introductory Economics A

EDUC 103A. Tutoring: Seeing a Child through Literacy (Same as EDUC 203A, SOC 103A, SOC 203A)

EDUC 203A. Tutoring: Seeing a Child through Literacy (Same as EDUC 103A, SOC 103A, SOC 203A)

EDUC 220C. Education and Society (Same as SOC 130, SOC 230)

ENGR 130. Science, Technology, and Contemporary Society (Same as STS 201, STS 101)

ENGR 145. Technology Entrepreneurship

FEMST 101. Introduction to Feminist Studies (Same as ANTHRO 144A)

FILMSTUD 115. Documentary Issues and Traditions

HISTORY 14N. The Crusades

HISTORY 84Q. The American Empire in the Middle East since the Cold War: Afghanistan, Iraq, and Israel/Palestine

HISTORY 91N. Mao Zedong: The Man Who Would Become China

HISTORY 106A. Global Human Geography: Asia and Africa

HISTORY 106A. Global Human Geography: Asia and Africa (Same as INTNLREL 161A)

HISTORY 123. Reform and Revolution in Modern Russia, 1856-2009

HISTORY 147. History of South Africa (Same as HISTORY 47)

HISTORY 150A. Colonial and Revolutionary America (Same as HISTORY 50A)

HISTORY 151. Slavery and Freedom in American History (Same as HISTORY 51)

HISTORY 182C. From Prophet to Empire: The Making of the Muslim Middle East, 600-1500

HISTORY 196. Modern South Asia (Same as HISTORY 96)

HISTORY 198. The History of Modern China (Same as HISTORY 98)

HISTORY 201. Introduction to Public History in the U.S., 19th Century to the Present (Same as HISTORY 301)

HISTORY 217B. Land of Three Religions: Medieval Spain (Same as HISTORY 317B)

HISTORY 236A. European Nationalism, 1600 to the Present (Same as HISTORY 336A)

HISTORY 238K. European Collaboration, Resistance, and Retribution: 1938-1948

HISTORY 243G. Tobacco and Health in World History (Same as HISTORY 343G)

HISTORY 252. Decision Making in International Crises: The A-Bomb, the Korean War, and the Cuban Missile Crisis (Same as HISTORY 355)

HISTORY 281. Economic and Social History of the Modern Middle East (Same as HISTORY 381)

HISTORY 292D. Japan in Asia, Asia in Japan (Same as HISTORY 392D)

HISTORY 301. Introduction to Public History in the U.S., 19th Century to the Present (Same as

HISTORY 201)

HISTORY 317B. Land of Three Religions: Medieval Spain (Same as HISTORY 217B)

HISTORY 336A. European Nationalism, 1600 to the Present (Same as HISTORY 236A)

HISTORY 343G. Tobacco and Health in World History (Same as HISTORY 243G)

HISTORY 355. Decision Making in International Crises: The A-Bomb, the Korean War, and the Cuban Missile Crisis (Same as HISTORY 252)

HISTORY 381. Economic and Social History of the Modern Middle East (Same as HISTORY 281)

HISTORY 392D. Japan in Asia, Asia in Japan (Same as HISTORY 292D)

HPS 158. The Social History of Mental Illness

HUMBIO 2B. Culture, Evolution, and Society

INTNLREL 114D. Democracy, Development, and the Rule of Law (Same as POLISCI 114D, IPS 230, POLISCI 314D)

INTNLREL 161A. Global Human Geography: Asia and Africa (Same as HISTORY 106A)

IPS 230. Democracy, Development, and the Rule of Law (Same as INTNLREL 114D, POLISCI 114D, POLISCI 314D)

LINGUIST 1. Introduction to Linguistics

LINGUIST 5N. What's Your Accent? Investigations in Acoustic Phonetics

LINGUIST 83N. Translation

LINGUIST 120. Introduction to Syntax

LINGUIST 140. Language Acquisition I (Same as LINGUIST 240)

LINGUIST 240. Language Acquisition I (Same as LINGUIST 140)

OSPAUSTL 40. Australian Studies

OSPBEIJ 42. Chinese Media Studies

OSPBEIJ 46. Introduction to Chinese Economy

OSPBEIJ 66. Essentials of China's Criminal Justice System

OSPBER 115X. The German Economy: Past and Present

OSPBER 126X. A People's Union? Money, Markets, and Identity in the EU

OSPFLOP 35. European Economic and Monetary Integration

OSPFLOP 106V. Italy: From Agrarian to Postindustrial Society

OSPMADRD 54. Contemporary Spanish Economy and the European Union

OSPMADRD 61. Society and Cultural Change: The Case of Spain

OSPMOSC 62. Economic Reform and Economic Policy in Modern Russia

OSPMOSC 72. Space, Politics, and Modernity in Russia

OSPMOSC 74. Post-Soviet Eurasia and SCO: Society, Politics, Integration

OSPMOSC 78. Russian-American Relations: from the War of Independence to the War on Terror

OSPOXFRD 24. British and American Constitutional Systems in Comparative Perspective

OSPPARIS 124X. Building the European Economy: Economic Policies and Challenges Ahead

OSPPARIS 211X. Political Attitudes and Behavior in Contemporary France

OSPSANTG 65. Economic History of the Southern Cone from Liberalism to Neoliberalism and Beyond

OSPSANTG 68. The Emergence of Nations in Latin America

OSPSANTG 104X. Modernization and Culture in Latin America

OSPSANTG 130X. Latin American Economies in Transition

OSPSANTG 221X. Political Transition and Democratic Consolidation: Chile in Comparative Perspective

POLISCI 1. Introduction to International Relations

POLISCI 114D. Democracy, Development, and the Rule of Law (Same as INTNLREL 114D, IPS 230, POLISCI 314D)

POLISCI 124R. Judicial Politics and Constitutional Law: The Federal System

POLISCI 140L. China in World Politics

POLISCI 218. U.S. Relations in Iran

POLISCI 222R. Culture, Identity, and Diversity

POLISCI 223S. The Default Power: American Foreign Policy in a Unipolar World

POLISCI 314D. Democracy, Development, and the Rule of Law (Same as INTNLREL 114D, POLISCI 114D, IPS 230)

POLISCI 323S. Analysis of Political Campaigns (Same as COMM 262, COMM 162)

PSYCH 1. Introduction to Psychology

PSYCH 12N. Self Theories

PSYCH 60. Introduction to Developmental Psychology

PSYCH 90. Introduction to Clinical Psychology

PSYCH 131. Language and Thought (Same as PSYCH 262)

PSYCH 141. Cognitive Development

PSYCH 163. Interpersonal Basis of Abnormal Behavior

PSYCH 196. Contemporary Psychology: Overview of Theory, Research, Applications

PSYCH 262. Language and Thought (Same as PSYCH 131)

SOC 1. Introduction to Sociology

SOC 45Q. Understanding Race and Ethnicity in American Society

SOC 46N. Race, Ethnic, and National Identities: Imagined Communities

SOC 103A. Tutoring: Seeing a Child through Literacy (Same as EDUC 103A, EDUC 203A, SOC 203A)

SOC 114. Economic Sociology (Same as SOC 214)

SOC 130. Education and Society (Same as EDUC 220C, SOC 230)

SOC 155. The Changing American Family (Same as SOC 255)

SOC 160. Formal Organizations (Same as SOC 260)

SOC 164. Immigration and the Changing United States (Same as SOC 264)

SOC 180A. Foundations of Social Research (Same as SOC 280A)

SOC 203A. Tutoring: Seeing a Child through Literacy (Same as EDUC 103A, EDUC 203A, SOC 103A)

SOC 214. Economic Sociology (Same as SOC 114)

SOC 230. Education and Society (Same as EDUC 220C, SOC 130)

SOC 255. The Changing American Family (Same as SOC 155)

SOC 260. Formal Organizations (Same as SOC 160)

SOC 264. Immigration and the Changing United States (Same as SOC 164)

SOC 280A. Foundations of Social Research (Same as SOC 180A)

STS 101. Science, Technology, and Contemporary Society (Same as ENGR 130, STS 201)

STS 101Q. Technology in Contemporary Society

STS 201. Science, Technology, and Contemporary Society (Same as ENGR 130, STS 101)

URBANST 110. Introduction to Urban Studies

URBANST 114. Cities in Comparative Perspective (Same as ANTHRO 126)

GER:EC-AmerCul. Education for Citizenship, American Cultures

AMSTUD 114N. Visions of the 1960s

AMSTUD 183. Border Crossings and American Identities (Same as CSRE 183)

AMSTUD 214. The American 1960s: Thought, Protest, and Culture

COMPLIT 41Q. Ethnicity and Literature

CSRE 183. Border Crossings and American Identities (Same as AMSTUD 183)

ENGLISH 43. Introduction to African American Literature (Same as ENGLISH 143)

ENGLISH 143. Introduction to African American Literature (Same as ENGLISH 43)

ENGLISH 146C. Hemingway, Hurston, Faulkner, and Fitzgerald

HISTORY 150A. Colonial and Revolutionary America (Same as HISTORY 50A)

HISTORY 154A. Religion and American Society

MUSIC 147. The Soul Tradition in African American Music (Same as MUSIC 247)

MUSIC 247. The Soul Tradition in African American Music (Same as MUSIC 147)

SOC 155. The Changing American Family (Same as SOC 255)

SOC 255. The Changing American Family (Same as SOC 155)

URBANST 110. Introduction to Urban Studies

GER:EC-EthicReas. Education for Citizenship, Ethical Reasoning

ETHICSOC 171. Justice (Same as PHIL 171, PHIL 271, POLISCI 136S, PUBLPOL 307, IPS 208, PUBLPOL 103C)

ETHICSOC 185M. Contemporary Moral Problems (Same as PHIL 72)

HISTORY 209C. Liberalism and Violence: A Conceptual History

PHIL 15N. Freedom, Community, and Morality

GER:EC-Gender. Education for Citizenship, Gender Studies

AFRICAAM 54N. African American Women's Lives (Same as HISTORY 54N)

ANTHRO 144A. Introduction to Feminist Studies (Same as FEMST 101)

BIO 185. Evolution of Reproductive Social Behavior (Same as BIO 285)

CLASSGEN 6N. Antigone: From Ancient Democracy to Contemporary Dissent (Same as DRAMA 12N)

CLASSGEN 113. Christianity and Homoeroticism in the Roman Empire

DRAMA 189Q. Mapping and Wrapping the Body

ECON 145. Labor Economics

FEMST 153. Women and the Creative Imagination (Same as FEMST 253)

FILMSTUD 136. Gender and Sexuality in Chinese Cinema (Same as FILMSTUD 336)

GERGEN 177. Culture and Politics in Modern Germany

HISTORY 295J. Chinese Women's History

HUMBIO 129. Critical Issues in International Women's Health

OSPFLOR 34. The Woman in Florentine Art

OSPPARIS 47. Women in French Cinema

OSPSANTG 14. Women Writers of Latin America in the 20th Century

RELIGST 156. Goddesses and Gender in Hinduism

GER:EC-GlobalCom. Education for Citizenship, Global Communities

AMELANG 31. The Contemporary Arab World and Culture through Literature

AMELANG 127. Land and Literature

ANTHRO 3. Introduction to Prehistoric Archaeology (Same as ARCHLGY 1)

ANTHRO 102A. Ancient Civilizations: Complexity and Collapse (Same as ANTHRO 202A)

CHINGEN 73. Chinese Language, Culture, and Society

CHINGEN 91. Traditional East Asian Culture: China

COMPLIT 141. Literature and Society in Africa and the Caribbean (Same as FRENLIT 133)

ECON 118. Development Economics

HISTORY 84Q. The American Empire in the Middle East since the Cold War: Afghanistan, Iraq, and Israel/Palestine

HISTORY 106A. Global Human Geography: Asia and Africa

HISTORY 120A. Russian Civilization from Beginnings to the Enlightenment (Same as HISTORY 20A)

HISTORY 185B. Jews in the Modern World

HISTORY 196. Modern South Asia (Same as HISTORY 96)

HISTORY 198. The History of Modern China (Same as HISTORY 98)

HISTORY 292D. Japan in Asia, Asia in Japan (Same as HISTORY 392D)

ILAC 271. Brazilian Presence: Landscape, Life and Literature

MUSIC 6A. From Gamelan to Kabuki: Musical Traditions of Far East Asia

OSPAUSTL 40. Australian Studies

OSPBEIJ 46. Introduction to Chinese Economy

OSPBEIJ 66. Essentials of China's Criminal Justice System

OSPBER 115X. The German Economy: Past and Present

OSPBER 126X. A People's Union? Money, Markets, and Identity in the EU

OSPFLO 35. European Economic and Monetary Integration

OSPFLO 106V. Italy: From Agrarian to Postindustrial Society

OSPMOSC 57. Social Inequality in Socialist and Post-Socialist Societies

OSPMOSC 62. Economic Reform and Economic Policy in Modern Russia

OSPMOSC 72. Space, Politics, and Modernity in Russia

OSPMOSC 74. Post-Soviet Eurasia and SCO: Society, Politics, Integration

OSPPARIS 211X. Political Attitudes and Behavior in Contemporary France

OSPSANTG 104X. Modernization and Culture in Latin America

POLISCI 140L. China in World Politics

PORTLANG 193Q. Spaces and Voices of Brazil through Film

SLAVGEN 145. Age of Experiment: From Pushkin to Gogol (Same as SLAVGEN 245)

SPECLANG 198Q. Modern Greece in Film and Literature

ภาคผนวก ค

ตัวอย่างรายวิชาที่เปิดสอนใหม่มหาวิทยาลัยลิพิน

ตัวอย่างรายวิชาที่เปิดสอนใหม่มหาวิทยาลัยหลิงหนาน (Lingnan University)

ปี ค.ศ. 2010 – 2011 (ข้อมูลล่าสุด ณ วันที่ 15 มีนาคม 2010)

กลุ่มวิชา A (A Category) : Rational Thinking

GEA101 (PHI101) Critical Thinking

GEA103 (PHI103) Logic and Critical Thinking

GEA104 (BEH104) Creativity and Individual Difference: Theories and Applications

GEA105 (PHI105) Introduction to Logic

GEA107 (PHI107) Understanding Knowledge

GEA108 (SOC108) Reading Great Social Thinkers

กลุ่มวิชา B (B Category) : Values in Society

GEB201 (PHI201) Applied Ethics

GEB203 (PHI203) Social and Political Philosophy

GEB205 (PHI205) Business Ethics

GEB206 (CUS206) Global Culture and Citizenship

GEB207 (PHI207) Law and Society

GEB209 (PHI209) Morality and Markets

GEB213 (MKT213) Entrepreneurship

GEB215 (SSC115) Understanding Social and Economic Indicators

GEB217 (POL217) Modern Political Ideologies

GEB219 (ENG269) Morality and the Machine: Aspects of Contemporary Science Fiction

GEB220 (CUS220) Media Ethics

GEB222 (PHI222) Life and Death

GEB223 (PHI223) Bioethics

GEB224 (PHI324) Utopia

GEB236 (PHI236) Contingencies and Necessities in Life

GEB237 (PHI237) Understanding Morality

GEB253 (MGT253) Corporate Social Responsibility

GEB262 (HST262) The Historical Experience in Film

GEB269 (PHI269) Appreciating Art

GEB294 (HST194) 'Clashes of Civilizations' in Modern History: Value Confrontations
between Asia and the West

กลุ่มวิชา C (C Category) : Cultures and Ideas

GEC301 (HST192) The Making of the Modern World

GEC302 (BEH203) Exploring Psychology in Western and Chinese Cultures

GEC304 (CUS304) Social & Cultural Anthropology

GEC305 (ENG311) Learning Language

GEC306 (ENG312) Signs & Meanings: A Semiotic Approach to Culture

GEC307 (ACT111) The Legal System of the People's Republic of China (PRC)

GEC308 (ECO108) Economics of Culture and Creativity

GEC309 (CUS309) Film & Cinema Studies

GEC310 (ECO110) Comparative Economic and Social Systems

GEC314 (CUS314) Hong Kong Popular Culture

GEC316 (CUS316) Modern Chinese Thought

GEC317 (CUS317) Narrating Hong Kong

GEC318 (SSC218) Environment & Society in Hong Kong

GEC319	Creative Thinking
GEC321 (SSC301)	Understanding Sport
GEC322	Cross-cultural Interchange and Urban Life
GEC323 (HST191)	Hong Kong's Heritage
GEC325	Why People Pay Taxes
GEC326	Managing Personal Finance
GEC327 (CHI114)	Modes of Chinese Writing
GEC328	Evolution of Chinese Language
GEC329 (CHI129)	Masterpieces in Chinese Literature
GEC331 (VIS211)	The Visual Cultures of Hong Kong
GEC332 (CUS132)	Cultural Transformation in Modern China
GEC334 (ECO210)	History of Economic Thought
GEC335 (HST193)	China Through the Eyes of the West
GEC338 (TRA238)	Cross-Cultural Perspectives in Film: Thematic Comparisons
GEC339 (HST268)	Cities Across Civilisations
GEC341 (CUS141)	Media Literacy
GEC342 (VIS106)	Understanding Drawing
GEC343 (SSC143)	Rethinking Global Issues
GEC344 (CHI244)	Chinese-Language Literature in Global Contexts
GEC345	An Introduction to Chinese Kunqu and Peking Operas Appreciation
GEC346	The Making of Hong Kong
GEC350 (ENG250)	European and Chinese Essay Forms: Attempts at Persuasion
GEC352 (MGT252)	Traditional Chinese Thought and Management
GEC353 (MUS353)	Music Appreciation: The Western Classical Tradition

GEC369 (HST269) A Cultural History of Water

GEC372 (ENG272) Intercultural Communication

GEC375 (ENG375) Cross-Cultural Studies of Literature

GEC395 (HST195) World History and Civilisations

กลุ่มวิชา D (D Category) : Science

GED110 (BEH110) Stress Management, Health and Life Balance

GED111 (CDS111) Statistics in Modern Society

GED112 (CDS112) Mathematical Literacy in Today's World

GED119 (CDS119) Color Science and Digital Applications

GED151 (SCI151) Cutting out the Fat: Scientific Perspectives on Weight Reduction

GED152 (SCI152) Science & Technology: What a Wonderful World

GED153 (SCI153) Science of Life

GED154 (SCI154)* Introduction to Astrophysics and Astronomy

GED155 (SCI155)* Special Topics in Science

Note: - The course code in the bracket indicates the subject area of the course

ภาคผนวก ง

ตัวอย่างรายวิชาในกลุ่มศึกษาทั่วไปของมหาวิทยาลัยแห่งชาติสิงคโปร์

ตัวอย่างรายวิชาในกลุ่มศึกษาทั่วไป (GEMs) ของ มหาวิทยาลัยแห่งชาติสิงคโปร์
(National University of Singapore)

1. Group A – Science & Technology (Information & Knowledge, IKC)

- GEK1500 Inside Your Personal Computer
- GEK1501 Information Technology and Us
- GEK1502 Food Security and Safety
- GEK1503 Chemistry in Space
- GEK1504 Overview of Scientific Computation
- GEK1505 Living With Mathematics
- GEK1506 Heavenly Mathematics: Cultural Astronomy
- GEK1507 Complementary Medicine and Health
- GEK1508 Einstein's Universe and Quantum Weirdness
- GEK1509 Introduction to the Nanoworld
- GEK1510 Great Ideas in Contemporary Physics
- GEK1511 Introduction to Computing
- GEK1512 Understanding how the Internet Works
- GEK1513 Wireless Communications – Past, Present & Future
- GEK1514 Microelectronics Revolution – From Sand to Integrated Circuits (ICs)
- GEK1515 Environmental Biology
- GEK1517 Mathematical Thinking
- GEK1518 Mathematics in Art and Architecture
- GEK1519 Science of Music
- GEK1520 Understanding the Universe
- GEK1521 Physics in Life Sciences
- GEK1522 Global Environmental Issues
- GEK1523 Innovativeness in Engineering Design
- GEK1524 Living with Fluids
- GEK1525 Evaluating Claims related to Health
- GEK1527 Genes and Society
- GEK1528 Automation

- GEK1529 Food and Health
- GEK1530 Life as a Complex System
- GEK1531 Introduction to Cybercrime
- GEK1532 Colour & Vision: A Look at Biophysics
- GEK1534 Microbes Which Changed Human History
- GEK1535 Our Atmosphere: A Chemical Perspective
- GEK1536 Computation & Machine: Ancient to Modern
- GEK1537 The Search For Life On Other Worlds
- GEK1539 A Brief History of Science
- GEK1540 Modern Technology in Medicine and Health
- GEK1542 Forensic Science
- GEK1543 Chemistry of the Ocean
- GEK1544 The Mathematics of Games
- GEK1545 An Insight into Reproductive Health
- GEK2500 Living with Chemistry
- GEK2501 Understanding Your Medications
- GEK2503 Remote Sensing for Earth Observation
- GEK2504 The Four S's in the Molecular World
- GEK2505 Introductory Biomedical Engineering (2 MCs Special Term GEM)
- GEK2506 Drugs and Society
- GEK2507 Computational Methods for Basic Finance

2. Group A – Science & Technology (Knowledge & Modes of Inquiry, KMI)

- GEM1501 Problem Solving for Computing
- GEM1505 A Engineering by Design – Innovations in Conservation Devices and Systems
- GEM1505B Engineering by Design – Innovations in Electrical & Electronic Systems
- GEM1505C Engineering by Design – Natural Forms & Conceptual Design of Structures
- GEM1505D Engineering by Design – Biomimetic Principles in Engineering Design

- GEM2501 Electric Energy – Powering the New Millennium
- GEM2502 Modes of Invention
- GEM2505 Taming Chaos
- GEM2507 Physical Questions in Everyday Life
- GEM2900 Understanding Uncertainty and Statistical Thinking
- GEM2901 Reporting Statistics in the Media

3. Group B – Humanities & Social Sciences (Information & Knowledge, IKC)

- GEK1000 An Introduction to Literary Studies
- GEK1001 Place, Environment and Society
- GEK1002 Introduction to Japanese Studies
- GEK1003 Introduction to Politics
- GEK1005 Cultures in the Contemporary World
- GEK1006 Dynamics of Interpersonal Effectiveness
- GEK1007 Chinese Heritage: History and Literature
- GEK1008 Southeast Asia: A Changing Region
- GEK1010 Property Management
- GEK1011 The Nature of Language
- GEK1012 Contemporary Social Issues in Singapore
- GEK1013 Rethinking Technology, Organisations & People
- GEK1014 Understanding Emotions in Interactive Processes (To check with BiZ)
- GEK1015 Sociolinguistics and Language Teaching
- GEK1016 History & Theory of Modern Architecture
- GEK1018 Economic Issues in the Developing World
- GEK1020 Ethics at Work: Rhyme, Reason and Reality
- GEK1021 Crime Fiction in English & Chinese
- GEK1022 Geopolitics: Geographies of War & Peace
- GEK1025 Reading Visual Images

- GEK1026 The Horror of the Other
- GEK1027 Uses And Abuses Of Literature
- GEK1028 China in The Twenty-first-Century
- GEK1029 Managing Change: Power and Paradox
- GEK1030 Service Work: Winning Hearts and Minds
- GEK1031 American Film
- GEK1035 Nations & Nationalisms in South Asia
- GEK1036 Cross-Cultural Communication and Discourse
- GEK1037 Seeing the World Through Maps
- GEK1038 Scientific Methodology
- GEK1039 Understanding Careers
- GEK1040 Why Literature?
- GEK1041 Understanding Globalisation
- GEK1042 Intellectual Property in Cyberspace
- GEK1044 Popularising the Classics
- GEK1045 Introduction to World Religions
- GEK1046 Introduction to Cultural Studies
- GEK1047 Organisational Power and Culture
- GEK1048 Gandhi and Conflict Resolution: Global Legacies
- GEK1049 Introduction to Narrative
- GEK1050 Space and Health
- GEK1051 Rhetoric
- GEK1052 Community Service and Social Action
- GEK1053 Chinese Music, Language and Literature
- GEK1054 Music in the Global Context
- GEK1055 The Theatre Experience
- GEK2000 The U.S.: From Settlement to Superpower

- GEK2001 Changing Landscapes of Singapore
- GEK2002 Art & Philosophy
- GEK2003 Government and Politics of Singapore
- GEK2004 History and Theory of Industrial Design
- GEK2005 Introduction to Urban Planning
- GEK2008 Environmental History
- GEK2009 Democracy & Education
- GEK2010 Foreign Policy and Diplomacy
- GEK2012 Public Administration in Asia
- GEK2013 Real Estate Finance
- GEK2014 Exploring Cultural Diversity in ASEAN
- GEK2015 East-West Artistic Interactions
- GEK2017 Facing Global Environmental Challenges
- GEK2018 Identity and Western Literature
- GEK2019 Language and Evolution
- GEK2020 Introduction to Film Art
- GEK2022 Samurai, Geisha, Yakuza as Self or Other
- GEK2024 Political Ideologies
- GEK3001 International Political Economy
- GEK3005 Politics and the Visual

4. Group B – Humanities & Social Sciences (Knowledge & Modes of Inquiry, KMI)

- GEM1003 Introduction to Theatre & Drama
- GEM1004 Reason and Persuasion
- GEM1005 Reporting: Making News, Moving People, Changing The World
- GEM1006 Study of Movement Aesthetics
- GEM1008 Evaluating Academic Arguments
- GEM1900 Thinking, Reasoning, and Inquiry

- GEM2000 Foundations of Real Estate Appraisal
- GEM2001 Introduction to Asian Theatre
- GEM2002 Great Thinkers: China, India & Europe
- GEM2003 Why History? The Twentieth-Century, 1914-1989
- GEM2005 Film and History
- GEM2006 Logic
- GEM2007 Political Economy of Housing
- GEM3002 Global Cities and Local Cultures
- GEM3003 Literature and the other Arts

ภาคผนวก จ

ตัวอย่างรายวิชาและการจัดหลักสูตรในระดับปริญญาตรีของมหาวิทยาลัยมลายา

ตัวอย่างรายวิชาและการจัดหลักสูตรในระดับปริญญาตรีของมหาวิทยาลัยมาลายา

(University of Malaya)

B.Sc. (Science and Technology Studies)

Policy and Management of Science and Technology (108 Credits)

UNIVERSITY COURSES (15 Credits)

GXEX1401 Information Skill (1)

GXEX1402 Islamic and Asian Civilisations I (2)

GXEX1403 Islamic and Asian Civilisations II (2)

SXEX1101/2/4 Biostatistics / Statistics / Geostatistics (3)

SXEX1400 History and Philosophy of Science (3)

Co-curriculum (2)

Elective course from other Faculty (3)

CORE COURSES OF PROGRAMME (67 Credits)

Compulsory Core Courses (46 Credits)

SFES1211 Introduction to S&T Studies (2) SFES1212 History of S&T in Malaysia (3)

SFES1214 Introduction to Philosophy of Environmental (3)

SFES2211 Introduction to S&T Policy and Management Studies (3) SFES2212 S&T and the Media (3) SFES2213 Logic and Critical Thinking (3) SFES2214 Scientific Writing and Communication (3)

SFES2215 Epistemology and Perspectives on Knowledge (3)

SFES3212 Philosophy of Development (3)

SFES3214 Philosophy and Management of Environment (3)

SFES3215 Sociology of Science and Technology (3)

SFES3316 Approaches to Research in History & Phil. of Sc. (3) Prerequisite: SXEX1400

SFES3325 Information Technology and K-Economy (3)

SFES3181 Final Year Project (8) Final year student

Core Elective Courses (21 Credits)

SFES2216 Comparative Philosophy of Science (3) Prerequisite: SXEX1400

SFES2271 Economics in S&T Studies (3)

SFES2310 Science, Technology and Society (3)

SFES2312 S&T In Contemporary Islamic World (3)

SFES2331 History of Islamic Science I

SFES3211 Issues in Bioethics (3)

SFES3213 Technology Mapping (3)

SFES3271 Managing New Technologies (3) Prerequisite: SFES2211

SFES3272 Technopreneurship (3)

SFES3311 Ethics of Knowledge and S&T Profession (3) Prerequisite: SFES1211

SFES3312 Science, Technology and Law (3)

SFES3313 S&T Transfer and Development (3) Prerequisite: SFES2211

SFES3314 R&D Management System (3) Prerequisite: SFES2211

SFES3315 Science, Technology and Modernisation (3)

SFES3317 Science and Religion (3)

SFES3318 Theory of S&T and Society (3) Prerequisite: SFES1211

SFES3319 Ethics and Science and Technology (3) Prerequisite: SFES1211

SFES3320 Philosophy of Islamic Science (3) Prerequisite: SXEX1400

SFES3321 Philosophy of Chinese and Indian Science (3) Prerequisite: SXEX1400

SFES3322 Philosophy of Western Science (3) Prerequisite: SXEX1400

SFES3323 Media and Communication Theory (3) Prerequisite: SFES1211

SFES3324 Environment and Religion (3)

SFES3326 National Innovation System (3) Prerequisite: SFES2211

SFES3330 Policy Development in Sc., Tech., and Innovation (3)

SFES3331 History of Islamic Science II Prerequisite: SFES2331

SFES3332 Greek Science and Philosophy

SFES3333 Atomism and Anti-atomism in Islamic Theology and Philosophy *History and Philosophy of Science 2*

NON-CORE COURSES OF PROGRAMME (26 Credits)

Choose one package of natural sciences courses from Institute of Biological Sciences / Institute of Mathematical Sciences /

Department of Physics / Department of Chemistry / Department of Geology.

(Most courses need entry prerequisite / requirement Please refer to the institute / department for further details)

Package from Institute of Biological Sciences (27 or 28 credits).**Compulsory Courses (10 credits):**

Stage 1:

SHES1200 Life Processes (2)

SHES1201 Cell Biology (2)

SHES1202 Biology of Organisms (2)

SHES1203 Population Biology (2)

SHES1270 Practical Biology (2)

Elective Courses (17 or 18 credits):

Stage 2:

SHES1601 Malaysia Flora (3)

SHES1602 Malaysia Fauna (3)

SHES1603 Bio-computing (3)

SHES2004 Human Biology (3)

SHES2130 Basic Biochemistry (3)

SHES2240 Basic Genetic (3)

SHES2250 General Microbiology (3)

Package from Institute of Mathematical Sciences (27 credits)

SJES1210 Foundation Mathematic (2)

SJES1215 Linear Algebra I (3)

SJES1221 Calculus I (4)

SJES1222 Calculus II (4)

SJES1231 Differential Equations & Applications (2)

SJES1250 Introduction to Probability (2)

SJES2215 Linear Algebra II (3)

SJES2223 Calculus III (4)

SJES2234 Computational Methods I (3)

Package from Department of Physics (26 credits)

SMES1103 Preliminary Mathematical Methods (3)

SMES1201 Waves and Vibrations (2)

SMES1202 Thermal Physics (2)

SMES1203 Modern Physics (2)

SMES1204 Basic Electronics (2)

SMES2201 Quantum Mechanics (3)

SMES2202 Electromagnetism Theory (3)

SMES2203 Mathematical Methods (3)

SMES2204 Mechanics (3)

SMES2205 Statistical Physics (3)

Package from Department of Chemistry (26 credits)Compulsory Courses (11 credits):

SCES1200 Principles of Chemistry (2)

SCES1210 Inorganic Chemistry I (3)

SCES1220 Organic Chemistry I (3)

SCES1230 Physical Chemistry I (3)

Elective Courses (15 credits):

SCES1201 Basic Mathematic for Chemistry (3)

SCES2210 Inorganic Chemistry II (4)

SCES2220 Organic Chemistry II (4)

SCES2230 Physical Chemistry II (4)

SCES2250 Molecular Spectroscopy & Interpretation (3)

SCES2311 General Chemistry Analysis (2)

SCES2312 General Industrial Chemistry (2)

SCES2313 Nuclear Chemistry (2)

SCES2320 Food Chemistry (2)

SCES2321 Bio Molecule (2)

SCES2322 Heterocyclic Chemistry (2)

SCES2323 Medicinal Chemistry (2)

SCES2324 Petrol Chemistry (2)

SCES2338 Solid Phase Chemistry (2)

SCES2410 Environmental Chemistry I (2)

SCES2413 Surface & Colloid Chemistry I (2)

SCES2433 Electrochemistry (2)

SCES2434 Polymer Chemistry I (3)

SCES2437 Computational Chemistry (2)

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ภาคผนวก ข

ตัวอย่างรหัสวิชา ชื่อวิชา จำนวนชั่วโมงสอน และ
ข้อกำหนดในการเรียนหลักสูตรเกาหลีสึกษามหาวิทยาลัยมาลายา

ตัวอย่างรหัสวิชา ชื่อวิชา จำนวนชั่วโมงสอนและข้อกำหนดในการเรียนหลักสูตรเกาหลีศึกษามหาวิทยาลัยมาลายา

(Course Code, Titles, Credit Hours and Requirements Under Korean Studies Programme)

SEMESTER 1			SEMESTER 2			REQUIREMENT
Course Code & Title		Credit Hour	Course Code & Title		Credit Hour	
GTEE1101	Fundamental English	3	GTEE 1102 /	English for Academic Purposes /	3	Compulsary
GXEX1401	Information Skill	1	GTEE 1103 /	Professional Writing in English /		
GXEX1411	Ethnic Relations	2	GTEE 1104	Effective Presentation Skills		
GXEX1410 / GXEX1412	Islamic and Asian Civilisation (TITAS) / Basic Entrepreneurship Culture	2	GXEX1410 / GXEX1412	Islamic and Asian Civilisation (TITAS) / Basic Entrepreneurship Culture	2	
	Elective Courses	3		Co-curriculum Courses	2	
AYEA1102	Introduction to East Asian Civilisation	3	AYEA2309	Political Economy of East Asia	3	Compulsary
AYEA1304	Korean Language IA	4	AYEA1408	Korean Language IB	4	

AYEA2404	Korean Language IIA	4	AYEA2408	Korean Language IIB	4	
AYEA3404	Korean Language IIIA	4	AYEA3408	Korean Language III B	4	
AYEA3180	Graduation Training 1	3	AYEA3180	Graduation Training 1	3	
AYEA2311	Modernisation Process in East Asia	3	AYEA2330	Conflicts in the East Asian Region	3	3 courses
AYEA2312	International Relations of East Asia	3	AYEA3309	East Asian Society	3	
AYEA3310	Security Issues in the East Asian Region	3	AYEA3312	Economic Developments of East Asia	3	
AYEA3338	Political Issues in East Asia After 1900	3				
AYEA2323	Culture and Society of Korea	3	AYEA2324	Political Economy of Korea	3	7 courses
AYEA2325	Classical Korea	3	AYEA2344	Modernisation Process in Korea	3	
AYEA2334	North and South Korean Relations	3	AYEA2345	Economy of Korea	3	
AYEA3328	Foreign Policy of Korea	3	AYEA3326	ASEAN-Korean Relations	3	
AYEA3332	Organisational Culture of Korea	3	AYEA3341	Contemporary Politics of South Korea	3	

AYEA2313	Culture and Society of China	3	AYEA2315	Politics and Economy of China	3	2 courses
AYEA2337	Confucianism in China	3	AYEA2346	Economic Policy of China	3	
AYEA3330	Modern Chinese Intellectual History	3	AYEA3313	Islam in China	3	
AYEA3334	Malaysia-China Relations	3	AYEA3337	China-Russia Relations	3	
AYEA3342	International Trade and Investment of China	3				
AYEA2319	The Administrative and Political Systems of Japan	3	AYEA2317	Nation Building in Japan	3	
AYEA2321	Economic Policy of Japan	3	AYEA2318	Introduction to Japanese Literature	3	
AYEA2339	Culture and Society of Japan	3	AYEA2320	Economy and Politics of Japan	3	
AYEA3318	Industries and the Industrial Policies of Japan	3	AYEA2326	Local Government in Japan	3	
AYEA3319	Foreign Policy of Japan	3	AYEA3317	Development of Science and Technology in Japan	3	

AYEA3321	Management Systems of Japan	3	AYEA3320	ASEAN-Japan Relations	3	
			AYEA3339	Organisational Culture of Japan	3	

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ภาคผนวก ซ

ตัวอย่างรหัสวิชา ชื่อวิชา จำนวนชั่วโมงสอนและข้อกำหนดในการเรียน
หลักสูตรจีนศึกษามหาวิทยาลัยมลายา

ตัวอย่างรหัสวิชา ชื่อวิชา จำนวนชั่วโมงสอนและข้อกำหนดในการเรียนหลักสูตรจีนศึกษามหาวิทยาลัยมลายา

(Course Code, Titles, Credit Hours and Requirements Under China Studies Programme)

SEMESTER 1			SEMESTER 2			REQUIREMENT
Course Code & Title		Credit Hour	Course Code & Title		Credit Hour	
GTEE1101	Fundamental English	3	GTEE 1102 /	English for Academic Purposes /	3	Compulsary
GXEX1401	Information Skill	1	GTEE 1103 /	Professional Writing in English /		
GXEX1411	Ethnic Relations	2	GTEE 1104	Effective Presentation Skills		
GXEX1410 / GXEX1412	Islamic and Asian Civilisation (TITAS) / Basic Entrepreneurship Culture	2	GXEX1410 / GXEX1412	Islamic and Asian Civilisation (TITAS) / Basic Entrepreneurship Culture	2	
	Elective Courses	3		Co-curriculum Courses	2	
AAAA1000	Introduction to Social Sciences Research Methodology	3	AAAA1001	Humanistic Philosophy	3	Compulsary
AYEA1102	Introduction to East Asian Civilisation	3	AYEA2309	Political Economy of East Asia	3	Compulsary
AYEA1301	Chinese Language IA	4	AYEA1405	Chinese Language IB	4	
AYEA2401	Chinese Language IIA	4	AYEA2405	Chinese Language IIB	4	
AYEA3401	Chinese Language IIIA	4	AYEA3405	Chinese Language IIIB	4	

AYEA3180	Graduation Training 1	3	AYEA3180	Graduation Training 1	3	
AYEA2311	Modernisation Process in East Asia	3	AYEA2330	Conflicts in the East Asian Region	3	3 courses
AYEA2312	International Relations of East Asia	3	AYEA3309	East Asian Society	3	
AYEA3310	Security Issues in the East Asian Region	3	AYEA3312	Economic Developments of East Asia	3	
AYEA3338	Political Issues in East Asia After 1900	3				
AYEA2313	Culture and Society of China	3	AYEA2315	Politics and Economy of China	3	7 courses
AYEA2337	Confucianism in China	3	AYEA2346	Economic Policy of China	3	
AYEA3330	Modern Chinese Intellectual History	3	AYEA3313	Islam in China	3	
AYEA3334	Malaysia-China Relations	3	AYEA3337	China-Russia Relations	3	
AYEA3342	International Trade and Investment of China	3				
AYEA2319	The Administrative and Political Systems of Japan	3	AYEA2317	Nation Building in Japan	3	2 courses
AYEA2321	Economic Policy of Japan	3	AYEA2318	Introduction to Japanese Literature	3	
AYEA2339	Culture and Society of Japan	3	AYEA2320	Economy and Politics of Japan	3	
AYEA3318	Industries and the Industrial Policies of Japan	3	AYEA2326	Local Government in Japan	3	

AYEA3319	Foreign Policy of Japan	3	AYEA3317	Development of Science and Technology in Japan	3	
AYEA3321	Management Systems of Japan	3	AYEA3320	ASEAN-Japan Relations	3	
			AYEA3339	Organisational Culture of Japan	3	
AYEA2323	Culture and Society of Korea	3	AYEA2324	Political Economy of Korea	3	
AYEA2325	Classical Korea	3	AYEA2344	Modernisation Process in Korea	3	
AYEA2334	North and South Korean Relations	3	AYEA2345	Economy of Korea	3	
AYEA3328	Foreign Policy of Korea	3	AYEA3326	ASEAN-Korean Relations	3	
AYEA3332	Organisational Culture of Korea	3	AYEA3341	Contemporary Politics of South Korea	3	
	Minor Courses	3		Minor Courses	3	8 courses

ภาคผนวก ฅ

จดหมายขอความอนุเคราะห์ขอข้อมูลจากมหาวิทยาลัยกลุ่มตัวอย่าง

Dear, Prof. Zita Mohod Fahmi

My name is Patcharapa Tantichuwet. I'm a lecturer in General Education Program, Faculty of Arts and Sciences at Dhurakij Pundit University, Bangkok, Thailand. I'm developing research about General Education and the title of this research is "A Study of Patterns and Characteristics of Education Administration in General Education Programs in USA and Asian Countries". Objective of this research is to studying pattern and Characteristics of Education Administration in General Education Programs. Samples of this research are Harvard University, Stanford University, National University of Singapore, Lingnan University, The University of Tokyo and University of Malaya which the famous university, University of Malaya would be one of our samples.

In this regards, I'm one of the studying and seminar trip with Thailand General Education Network team on March 24, 2010 at Centre of General Studies, University of Malaya. Therefore, I ask your information as following :

1. Structure and curriculum of Centre of General Education Studies.
2. Patterns and Characteristics of Centre of General Education Studies.
3. All courses in Centre of General Education Studies.
4. Conditions or rules for students to registration at Centre of General Education Studies.

Looking forward to gathering information with your institute. Your information would be valuable for this research. Thank you very much for your time and consideration.

Best Regards,

Patcharapa Tantichuwet

General Education Program Lecturer