INSH 1000. Social Sciences and Humanities at Northeastern. 1 Hour.
Intended for freshmen in the College of Social Sciences and Humanities.
Introduces freshmen to the liberal arts in general. Offers students an
opportunity to become familiar with their major, to develop the academic
skills necessary to succeed (analytical ability and critical thinking),
to become grounded in the culture and values of the university community,
and to develop interpersonal skills—in short, to become familiar with all
the skills needed to become a successful university student.

INSH 1102. Food in Contemporary Context. 4 Hours.
Covers a multidisciplinary set of perspectives on an intrinsic part
day of life—food. Food is not just about survival—it is about being
human. Producing it, making it, eating it, obsessing about it is woven
throughout our lives. It defines, and is defined by, culture. It is the basis
of economies, has produced great fortunes, defines entire communities,
and is the cause of conflicts. It is at once natural, grown and
manufactured. It nourishes us, and it makes us sick. It is the source of
sublime pleasure and no small anxiety. Food defines us, as much as we
define it. With these considerations, this course uses food as a lens into
temporary life.

INSH 1300. Introduction to Health and Humanities. 4 Hours.
Introduces programming skills and computational methods through
application to topics in the social sciences and humanities. Methods
include computational text analysis, network analysis, mapping software
and analysis, computational approaches to data, big data, and/or social
simulation. Offers students an opportunity to develop an understanding
of the use and significance of computational tools for social sciences
and humanities. No previous programming experience required.

INSH 1990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions.
May be repeated without limit.

INSH 2101. Love and Hate: Social, Psychological, and Literary
Approaches. 4 Hours.
Studies materials that define and describe love and hate from the fields
of literature and literary criticism, social psychology, and criminology
and criminal justice. “Love” and “hate” are small words describing
powerful emotions with profound effects on individuals and on social
groups. Focusing largely on contemporary examples, offers students an
opportunity to analyze the differences and areas of overlap in the above
fields’ approaches to love and hate, to discuss societal responses to
these emotions, and to apply the methodologies of each field to research
questions of their own. INSH 2101 and PSYC 2101 are cross-listed.

INSH 2102. Bostonography: The City through Data, Texts, Maps, and
Networks. 4 Hours.
Uses Boston as a case study for integrating computational methods
with the social sciences and humanities to provide new insights into
major cultural, historical, and societal questions as they relate to and
extend beyond the city of Boston. Through lectures, discussions, and
labs, the course examines a variety of data sets that measure geographic,
historical, literary, political, civic, and institutional landscapes. Offers
students an opportunity to combine analytical tools, such as geospatial
mapping, data visualization, and network science, with readings, hands-
on class activities, and museum or site visits, enabling a comprehensive
view of complex cultural and social phenomena.

INSH 2990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions.
May be repeated without limit.

INSH 3990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions.
May be repeated without limit.

INSH 4990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions.
May be repeated without limit.

INSH 6300. Research Methods in the Social Sciences. 4 Hours.
Surveys methods of social research, including field study and
participant observation techniques, survey techniques, interviewing and
questionnaire construction, sampling procedures, experimental design,
content analysis, and use of available data.

INSH 6302. Qualitative Methods. 4 Hours.
Introduces the principles and use of common qualitative methods with
a particular focus on their application in the social sciences. Offers
students an opportunity to engage in primary data collection and to
learn how to use a variety of analytic techniques, including transcription,
field-note preparation, memos, development of coding schemes and
conceptual frameworks, and data-verifying techniques.

INSH 6404. Computational Social Science. 4 Hours.
Introduces the fundamental techniques of quantitative data analysis,
ranging from foundational skills—such as data description and
visualization, probability, and statistics—to the workhorse of data
analysis and regression, to more advanced topics—such as machine
learning and networks. Emphasizes real-world data and applications
using the R statistical computing language. Offers students an
opportunity to finish the course ready to apply a wide variety of analytic
methods to data problems, present their results to nonexperts, and
progress to more advanced course work delving into the many topics
introduced here.

INSH 6406. Analyzing Complex Digitized Data. 4 Hours.
Introduces cutting-edge ways of structuring and analyzing complex data
or digitized text-as-data using the open-source programming language Python. Scholars across multiple disciplines are finding themselves face-
to-face with massive amounts of digitized data. In the humanities and
social sciences, these data are often in the form of unstructured text and
un- or under-structured data. Encourages students to think about novel
ways they can apply these techniques to their own data and research
questions and to apply the methods in their own research, whether it be
in academia or in industry.
**INSH 6500. Statistical Analysis. 4 Hours.**
Studies the use of social science quantitative techniques, emphasizing applications of value to public-sector analysts and scholars alike. Introduces probability and statistical analysis. Topics include measures of central tendency and dispersion, probability and probability distributions, sampling distributions and hypothesis testing, bivariate correlation, regression, and forecasting. Examines how to generate and interpret statistical analyses.

**INSH 6864. Experiential Integration. 1 Hour.**
Offers an integration course providing an opportunity for students on experiential placement to connect conceptual course material to experiential components. Students are expected to: interact with students from other disciplines, apply knowledge and skills across educational and experiential contexts; connect experiential components to different disciplines and domains of knowledge; and situate experiential components in the context of their own field and beyond. Requires department signature.

**INSH 6964. Co-op Work Experience. 0 Hours.**
Provides eligible students with an opportunity for work experience. May be repeated once.

**INSH 7400. Quantitative Analysis. 4 Hours.**
Studies the use of social science quantitative techniques and how to generate and interpret statistical analyses. Topics include measures of central tendency and dispersion, probability and probability distributions, sampling distributions and hypothesis testing, bivariate correlation, regression, and forecasting. Builds upon the concepts of correlation and inference to present analytic procedures involving several variables (including multiple regression, logistic regression, causal analysis, and multiway ANOVA) and introduces more advanced multivariate analytic methods.

**INSH 7500. Advanced Quantitative Analysis. 4 Hours.**
Designed to build upon the foundations provided by INSH 6404, INSH 6500, or an equivalent introductory statistics course with the goal of students becoming proficient with selected quantitative multivariate analysis techniques. Covers the ordinary least squares (OLS) regression model and the assumptions underlying it in detail, as well as the techniques for analyzing data when OLS assumptions do not apply, such as simultaneous equation models, time-series models, and maximum likelihood techniques for limited and discrete dependent variables. Requires prior completion of INSH 6404, INSH 6500, or an equivalent introductory statistics course. PhD students only or by permission.

**INSH 7600. Advanced Methodological and Quantitative Techniques. 4 Hours.**
Builds upon the foundations provided by INSH 7400 and INSH 7500 (and their equivalents) with the goal of students becoming proficient with selected advanced specialized quantitative analysis techniques or platforms. Taught throughout the semester by different faculty members with expertise in particular statistical methods. Example modules include hierarchical linear modeling, structural equation modeling, path analysis, and time-series analysis.

**INSH 7910. NULab Project Seminar. 2 Hours.**
Offers students an opportunity to learn and use digital humanities methods with others in groups and across disciplines in the collaborative space of the NULab seminar. May be repeated up to three times.

**INSH 9980. Experiential PhD Research Residency. 0 Hours.**
Comprises a research residency experience in an organization whose mission and activities are aligned with the College of Social Sciences and Humanities PhD programs. The research residency is designed to help develop dissertation ideas or research papers or to obtain access to resources helpful to dissertation development or research. A faculty member serves as an advisor for the residency experience, but individuals within the organization in which the student is working are asked to serve as formal mentors for the student residency experience.