MUSTER provide their primary thesis advisor with a
permitted. It is the student
below (for Spring entrance students)
willing to advise them on a thesis by the end of the seco

The Informatics Career Services Office assists students with finding HCI

Students will receive an official grade at the conclusion of

All

\begin{tabular}{|c|c|c|c|}
\hline
\textbf{FALL} & \textbf{SPRING} & \textbf{SUMMER} \\
\hline
\textbf{YR 1} & & \\
\textbf{H501 Introduction to Informatics* 1 [in-class] W} & & \textbf{N/A} \\
\textbf{H590 (Topics A) Ubiquitous Computing* [in-class] R} & & \\
\textbf{H590 (Topics B) Social Computing* [in-class] T} & & \\
\hline
\textbf{YR 2} & & \\
\textbf{H541 HCI Design 1* [in-class | online] R} & \textbf{H561 HCI Design 2* [in-class | online] M} & \textbf{N/A} \\
(Alternative title: Interaction Design Practice) & (also listed as: Meaning and Form in HCI) & \\
\textbf{H543 Usability & Eval. Methods * [in-class | online]} & \textbf{H564 Prototyping for Interactive Systems* [in-class | online]} & \\
(Alternative title: Interaction Design methods) M & \textbf{(Thesis students replace this with Statistics* course)} T & \\
\textbf{H563 Psychology of HCI* [in-class | online] W} & \textbf{Elective} & \\
\hline
\textbf{YR 3} & \textbf{H680 HCI Professional Practice 1** [in-class] T} & \textbf{H681 HCI Professional Practice 2** [in-class] W} & \textbf{N/A} \\
\textbf{Elective} & & \\
\hline
\end{tabular}

\textbf{FINAL COURSE PROJECT}

\textbf{Project Requirement:} H680 (3 cr.) and H681 (3 cr.)

All HCI students must complete a final project by registering for two courses: H680 HCI Professional Practice 1 (offered ONLY in the Fall) and H681 HCI Professional Practice 2 (offered ONLY in the Spring). Each course includes a formally scheduled in-class time that students must attend. Students will work on one final project that extends throughout the two courses, i.e., in fall and spring semesters. Students will receive an official grade at the conclusion of each course/semester. Students are encouraged to propose a project that can be realistically completed by the conclusion of I681, the Spring semester. Incompletes are NOT permitted.

\textbf{HCI INTERNSHIP}

Equivalent to Elective Courses

The Informatics Career Services Office assists students with finding HCI-related Internships (e.g., summer semesters) to gain valuable professional experience within the HCI industry prior to graduation. Up to 6 credits of internships may be counted towards elective credits. Credit for an internship should be requested prior to the starting date of the internship since retro-credit is not permitted. Once approved authorization is given to register for an online credit internship course. Please contact Brian Benedict (bbenedic@iupui.edu), Director of Career Services, to learn more about internship opportunities and the credit and approval process.

\textbf{THESIS OPTION (With permission ONLY)}

\textit{The Required Course for the Thesis option is I694 (6 cr.), HCI Thesis/Project.} The Thesis option is reserved for students who possess a demonstrated ability to carry out publishable empirical research. Qualified students must find a research-active faculty member willing to advise them on a thesis by the end of the second semester. \textbf{Students taking the Thesis option must take and successfully pass I575 Informatics Research Design by the completion of their first year (for Fall entrance students) or their second year (for Spring entrance students).} They should also take an additional statistics course prior to their final regular semester (see course list below).\textsuperscript{2} (These two courses will be taken in place of the two elective courses.) As with the final project, incompletes will NOT be permitted. It is the student’s responsibility to propose a thesis that can be completed within a two-semester timeline. To do this, students MUST provide their primary thesis advisor with a full thesis proposal and outline that includes a timeline for writing the thesis.

\textsuperscript{1} Students MUST take H501 in the spring semester, which is designated only for HCI students.

\textsuperscript{2} STAT 51100 Statistical Methods, R559 Intermediate Sociological Statistics, NURS-L 650 Data Analysis for Clinical and Administrative Decision Making, and or P600 (PSY) Statistical Inference, the following Fall. NURS-L 650 is also offered in the summer.
Recommended Elective Courses
(Students MUST Check for Prerequisites and Course Availability from the Respective Schools and Departments)

INFORMATICS
I503 Social Impact of Information Technology
I505 Informatics Project Management
I510 Data Acquisition and Lab Automation
I512 Scientific Data Management
I535 Clinical Information Systems
I540 Data Mining for Security
I550 Legal & Business Issues in Informatics
I554 Independent Study in HCI (1-3 cr.)
I590 Structured Conceptual Design for Interactive Applications
I605 Social Foundations of Informatics

CSCI 552 Advanced Graphics and Visualization
CSCI 565 Programming Language

MEDIA ARTS AND SCIENCE
N500 Principles of Digital Arts Production
N502 Digital Media Motion & Sim., Meth
N503 Digital Media Appl. Design Proc
N504 Advanced Interactive Design Appl.
N506 Media Arts and Technology Project
N510 Web Database Concepts
N501 Foundations of Digital Production

PSYCHOLOGY
PSY570 Industrial Psychology – Fall, odd yr.
PSY572 Organizational Psych – Spring, even yr.
PSY615 Physiological Psych – Fall, even yr.
PSY640 Social Psychology I – Fall, odd yr.
PSY655 Cog Development – Fall, even yr.

COMPUTER SCIENCE
CSCI 507 Object-Oriented Design & Prog.
CSCI 537 Intro to Distributed Computing
CSCI 541 Database Systems
CSCI 550 Computer Graphics

COMMUNICATION
COMM–C 500 Advanced Comm. Theory
COMM–C 531 Media Theory and Criticism
COMM–C 592 Advanced Health Communication
COMM–C 620 Computer-Mediated Communication

SOCIOLOGY
SOC–R 556 Advanced Sociological Theory I
SOC–R 557 Advanced Sociological Theory II
SOC–R 559 Intermediate Sociological Statistics
SOC–R 593 Applied Fieldwork for Sociologists
SOC–S 530 Introduction to Social Psychology

GEOGRAPHY
GEOG–G 536 Advanced Remote Sensing
GEOG–G 537 Computer Cartography and Graphics
GEOG–G 538 Intro to Geographic Information Systems
GEOG–G 539 Advanced Geographic Information Systems

OTHERS
ANTH 501 Fundamentals of Applied Anthropology
ED 531 Computers in Education
SLIS–S 532 INFO Architecture for the Web

Recommended Research Methods Courses
(Students MUST Check for Prerequisites and Course Availability from the Respective Schools and Departments)

I-590 Res. Methods: Analysis, Interp & Reporting
ANTH-E 404 Field Meth in Ethnography
COM 501 Qualitative Research
COM 502 Applied Qualitative Research Methods
EDU 520 Strategies for Educational Inquiry
EDU 611 Qualitative Inquiry in Education
NURS-L 650 Data Ana for Clinical & Admin Decis.-Making
NURS-R 612 Interpretive Data Analysis (2 Cr.), Summer I-II
PSY 600 Statistical Inference (Fall Even Yr)
PSY 601 Experimental Design (Spg Even Yr)
PSY 608 Measurement Theory and Interpret Data
PSY 640 Survey of Social Psychology I
PSY 655 Cognitive Development (Fall Even Yr)
PSY-I 643 Field Methods & Exper.
SOC–R 551 Quantitative Methods – Sociology
SOC–R 559 Intermediate Soc. Statistics
STAT 511 Statistical Methods 1
STAT 512 Applied Regression Analysis
STAT 516 Basic Probability Appl.
STAT 519 Intro to Probability