

# 1PKS5581MS & 1PKS5581MSU: INFORMATION MANAGEMENT, MS (ON CAMPUS & ONLINE)

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## In Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)
2. 1992 Head (knox@illinois.edu)
3. LP Dean (knox@illinois.edu)
4. University Librarian (jpwilkin@illinois.edu)
5. Grad\_College (agrindly@illinois.edu; jch@illinois.edu; lowry@illinois.edu)
6. Provost (kmartens@illinois.edu)
7. Senate EPC (bjlehman@illinois.edu)
8. Senate (jtempel@illinois.edu)
9. U Senate Conf (none)
10. Board of Trustees (none)
11. IBHE (none)
12. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

## Approval Path

1. Thu, 13 Feb 2020 20:25:34 GMT  
Deb Forgacs (dforgacs): Approved for U Program Review
2. Thu, 13 Feb 2020 21:20:35 GMT  
Emily Knox (knox): Approved for 1992 Head
3. Thu, 13 Feb 2020 21:20:51 GMT  
Emily Knox (knox): Approved for LP Dean
4. Thu, 13 Feb 2020 21:23:03 GMT  
John Wilkin (jpwilkin): Approved for University Librarian
5. Tue, 25 Feb 2020 21:06:23 GMT  
Allison McKinney (agrindly): Approved for Grad\_College
6. Wed, 26 Feb 2020 16:46:05 GMT  
Kathy Martensen (kmartens): Rollback to LP Dean for Provost
7. Wed, 26 Feb 2020 22:50:31 GMT  
Emily Knox (knox): Approved for LP Dean
8. Wed, 26 Feb 2020 22:56:21 GMT  
John Wilkin (jpwilkin): Approved for University Librarian
9. Fri, 28 Feb 2020 21:19:50 GMT  
Allison McKinney (agrindly): Approved for Grad\_College
10. Mon, 02 Mar 2020 21:27:47 GMT  
Kathy Martensen (kmartens): Approved for Provost

Date Submitted: Wed, 12 Feb 2020 17:50:09 GMT

## Viewing: 1PKS5581MS & 1PKS5581MSU : Information Management, MS (on campus & online)

Changes proposed by: Dustin Janes

## Proposal Type

### Proposal Type:

Major (ex. Special Education)

### This proposal is for a:

Revision

Proposal Title:

**if this proposal is one piece of a multi-element change please include the other impacted programs here. *example: A BS revision with multiple concentration revisions***

Update to reflect the new course numbers as of Fall 2020.

**EP Control Number**

EP.20.139

**Official Program Name**

Information Management, MS (on campus & online)

**Effective Catalog Term**

Fall 2020

**Sponsor College**

School of Information Sciences

**Sponsor Department**

Information Sciences

**Sponsor Name**

Emily Knox

**Sponsor Email**

knox@illinois.edu

**College Contact**

Emily Knox

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## **Program Description and Justification**

**Justification for proposal change:**

Update to reflect the new course numbers as of Fall 2020.

The School of Information Sciences renumbered all courses for Fall 2020. There is no change in the curriculum for any of our programs, solely in course numbers. The course titles that marked out are an artifact of us renumbering every course in our catalog. The attached spreadsheet (under programs of study) shows all the course number changes.

There are no changes to the requirements for the degree. This degree has three required courses IS 504 (formerly IS 543) Sociotechnical information Systems, IS 507 (formerly IS 542) Data, Statistical Models and Information, and IS 515 (formerly IS 546) Information Modeling. The additional 28 credits are elective.

### **Corresponding Degree**

MS Master of Science

### **Is this program interdisciplinary?**

No

### **Academic Level**

Graduate

### **CIP Code**

110401 - Information Science/Studies.

### **Is This a Teacher Certification Program?**

No

### **Will specialized accreditation be sought for this program?**

No

## **Admission Requirements**

### **Is this revision a change to the admission status of the program?**

No

## **Enrollment**

### **Describe how this revision will impact enrollment and degrees awarded.**

Update to course numbers will not impact enrollments or degrees awarded.

### **Estimated Annual Number of Degrees Awarded**

### **What is the matriculation term for this program?**

Fall

## Delivery Method

**Is this program available on campus and online?**

Yes

**This program is available:**

On Campus and Online

**Describe the use of this delivery method:**

Offered to both on-campus and online (remote) students. Currently offered in both formats; administrative alignment update.

## Budget

**Are there budgetary implications for this revision?**

No

**Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?**

No

## Resource Implications

Facilities

**Will the program require new or additional facilities or significant improvements to already existing facilities?**

No

Technology

**Will the program need additional technology beyond what is currently available for the unit?**

No

Non-Technical Resources

**Will the program require additional supplies, services or equipment (non-technical)?**

No

## Resources

### Faculty Resources

**Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.**

Update to course numbers will not impact faculty resources.

### Library Resources

**Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.**

Update to course numbers will not impact library resources.

### Instructional Resources

**Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?**

No

**Does this new program/proposed change result in the replacement of another program?**

No

**Does the program include other courses/subjects impacted by the creation/revision of this program?**

No

## Financial Resources

**Will the unit need to seek campus or other external resources?**

No

**Will an existing tuition rate be used or continue to be used for this program?**

Yes

**Is this program requesting self-supporting status?**

No

## Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

Update to course numbers will not impact program regulation and assessment.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

## Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: <https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf>). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

### Revised programs

IS Renumbering Tracking.xlsx

Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text

### Statement for Programs of Study Catalog

Code	Title	Hours
IS 542	Research and Inquiry for Youth	4
IS 543	Digital Preservation	4
IS 561	Use and Users of Information	4
IS 504	Sociotechnical Information Systems	4
IS 507	Data, Statistical Models and Information	4
IS 515	Information Modeling	4
Research/Project/Independent Study		max 4
Elective courses (subject to Other Requirements and Conditions below)		28
Total Hours		40

### Other Requirements may overlap <sup>1</sup>

Requirement	Description
Minimum Hours Required within the Unit	28
Minimum 500-level Hours Required Overall	12

Competency in at least one programming language

Minimum GPA: 2.75

## EP Documentation

## DMI Documentation

### Banner/Codebook Name

MS:Information Management-UIUC & MS: Information Mgt Onl -UIUC

### Program Code:

1PKS5581MS & 1PKS5581MSU

### Degree Code

MS

### Major Code

5581

### Program Reviewer Comments

Kathy Martensen (kmartens) (Wed, 26 Feb 2020 16:46:05 GMT):Rollback: See email of 2/26/20 10:45 a.m. from KAM to E. Knox.

Key: 352

SP/SU 2020 + Earlier			FA 2020 + Later		
Number	Course Title	Tracking	Number	Course Title	
			IS 100	Intro to the iSchool	
			IS 101	Intro to Information Sciences	
IS 107	Data Science Discovery	Same.	IS 107	Data Science Discovery	
			IS 190	Current Events in Info Science	
IS 145	Mapping Inequalities	Same.	IS 145	Mapping Inequalities	
IS 199	<i>Undergraduate Open Seminar</i>	Same.	IS 199	<i>Undergraduate Open Seminar</i>	
IS 202	Social Aspects Info Tech	Same.	IS 202	Social Aspects Info Tech	
			IS 203	Analytical Fndts Info Problems	
			IS 204	Research Design Info Sciences	
			IS 205	Program for Info Problems	
			IS 206	Intro Database Concepts & Apps	
			IS 226	Introduction to HCI	
			IS 229	Web Design Fundamentals	
			IS 236	User Research & Evaluation	
IS 265	Innovation Illinois	Same.	IS 265	Innovation Illinois	
IS 266	Community Innovation	Same.	IS 266	Community Innovation	
			IS 304	Advanced Research Design	
			IS 305	Program for Info Problems II	
			IS 308	Race, Gender, and Info Tech	
			IS 309	Computers and Culture	
IS 310	Computing in the Humanities	Same.	IS 310	Computing in the Humanities	
			IS 311	Historical Fndts of Info Society	
			IS 316	Design of Usable Interfaces	
			IS 324	Social Network Analysis	
			IS 334	Usable Privacy and Security	
			IS 336	Cognition in the Wild	
IS 351	Design of Usable Interfaces	Moved to IS 316	IS 351	Unable to be used until FA'27.	
			IS 357	Intro to Data Storytelling	
			IS 358	Intro to Youth Literacies	
			IS 368	Youth Community Engagement	
			IS 370	Concepts of Behavioral Theory	
			IS 378	Info Tech Services for Youth	
IS 390	<i>Special Topics in Information Studies</i>	Same.	IS 390	<i>Special Topics in Info Studies</i>	
» 390 CC	Computers and Culture	Moved to IS 309			
» 390 RGI	Race, Gender, and Info Tech	Moved to IS 308			
» 390 W1	Web Technologies & Techniques	Moved to IS 409			
			IS 401	Intro to Network Info Systems	
IS 403	Literature and Resources for Children	Same.	IS 403	Children's Materials	
IS 404	Literature and Resources for YA	Moved to IS 413	IS 404	Unable to be used until FA'27.	
			IS 406	Cognition in the Wild	
			IS 407	Introduction to Data Science	
IS 409	Storytelling	Moved to IS 410	IS 409	Web Technologies & Techs	
			IS 410	Storytelling	
			IS 411	Information Systems Analysis	
			IS 413	Teen Materials	
			IS 416	Adaptative Minds and Computers	
			IS 417	Data Science in the Humanities	
IS 418	Community Engagement	Moved to IS 590	IS 418	Unable to be used until FA'27.	
			IS 419	Entrepreneurial Info Tech Design	
			IS 420	Community Informatics	
			IS 423	Early Literacy	
			IS 424	Social Computing	
			IS 426	Museum Informatics	
			IS 427	Math Fndts for Data Analytics	
			IS 429	Web Content Strategy & Mgmt	
			IS 430	Foundations Info Processing	
			IS 436	Playful Design Methods	
			IS 439	Web Dev Using App Framework	
			IS 440	Community Informatics Studio	
			IS 441	Strategic Communication	
			IS 444	Legal Aspects of Info Systems	
IS 445	Info Books and Resources for Youth	Moved to IS 453	IS 445	Data Visualization	
IS 446	Fantasy Lit and Media for Youth	Moved to IS 563	IS 446	Systems Analysis and Design	
			IS 449	Web Application Development	
IS 451	Intro to Network Info Systems	Moved to IS 401	IS 451	Bibliography of Africa	
IS 452	Foundations of Information Processing	Moved to IS 430	IS 452	Unable to be used until FA'27.	
IS 453	Systems Analysis and Management	Moved to IS 446	IS 453	Info Books and Resources for Youth	



IS 455	Database Design and Prototyping	Same.	IS 455	Database Design and Prototyping
IS 456	Information Storage and Retrieval	Same.	IS 456	Information Storage & Retrieval
IS 457	Introduction to Data Science	Moved to IS 407	IS 457	Data Storytelling
IS 458	Instructional Strat Tech Info Prof	Moved to IS 471	IS 458	Unable to be used until FA'27.
			IS 459	Mobile Applications
IS 461	Museum Informatics	Moved to IS 426	IS 461	REEES Bibliog Research Methods
IS 462	Information Assurance	Moved to IS 464	IS 462	Unable to be used until FA'27.
			IS 464	Information Assurance
			IS 466	Accessible & Inclusive Techs
			IS 467	Ethics & Policy for Data Science
			IS 471	Instructional Strat Tech Info Prof
			IS 477	Data Mgmt, Curation, & Reproduc
IS 482	Writing Technologies	Discontinue.	IS 482	Unable to be used until FA'27.
IS 483	Ugrad Bioinformatics Seminar	Discontinue.	IS 483	Unable to be used until FA'27.
IS 490	<i>Advanced Topics in Information Studies</i>		IS 490	<i>Topics in Info Foundations</i>
» 490 CI	Community Informatics Studio	Moved to IS 440		
» 490 DA	Database Administration and Scaling for IS	Discontinue.		
» 490 EG	E-Government	Discontinue.		
» 490 GH	Global Health Informatics	Moved to IS 596		
» 490 GI	Geographic Information Systems	Discontinue.		
» 490 IL	Informal Learning Spaces and Pedagogies	Moved to IS 591		
» 490 IS	Fundamentals of Information Security	Discontinue.		
» 490 IT	Entrepreneurial Information Technology Design	Moved to IS 419		
» 490 PD	Playful Design Methods	Moved to IS 436		
» 490 RB	Foundations of Data Science	Discontinue.		
» 490 RB2	Advanced Data Science	Discontinue.		
» 490 SC	Social Computing	Moved to IS 424		
» 490 SM	Social Media and Global Change	Discontinue.		
» 490 TE	Introduction to Technology in LIS	Discontinue.		
» 490 TL	Teen Library Programs	Moved to IS 571		
» 490 YS	Youth Serv Comm Engagement	Moved to IS 590		
			IS 491	<i>Topics in Info Services</i>
			IS 492	<i>Topics Info Org &amp; Soc Contexts</i>
			IS 493	<i>Topics in CH, CM, &amp; Preserv</i>
			IS 494	<i>Topics Mgmt, Ethics, &amp; Policy</i>
			IS 495	<i>Topics in Org &amp; Representation</i>
			IS 496	<i>Topics in Human-Centered D &amp; S</i>
			IS 497	<i>Topics in Data Analytics &amp; Sci</i>
			IS 500	Theories of Information
IS 501	Information Organization and Access	Moved to IS 505	IS 501	Reference and Info Services
IS 502	Libraries Info and Society	Moved to IS 510	IS 502	Unable to be used until FA'27.
IS 503	Use and Users of Information	Moved to IS 561	IS 503	History of Children's Lit
IS 504	Reference and Info Services	Moved to IS 501	IS 504	Sociotechnical Info Systems
IS 505	Admin & Mgmt of Libraries and Info Centers	Moved to IS 544	IS 505	Info Org and Access
IS 506	Youth Services Librarianship	Moved to IS 551	IS 506	Human-Centered Info Systems
IS 507	Introduction to Bibliographic Metadata	Moved to IS 585	IS 507	Data, Stat, and Info
IS 508	Collection Development	Moved to IS 530	IS 508	<i>Seminar in Info Foundations</i>
			IS 509	History and Foundations of IS
IS 510	Adult Public Services	Moved to IS 591	IS 510	Libraries Info and Society
IS 511	Bibliography	Moved to IS 595	IS 511	Scholarly Communication
IS 512	History of Libraries	Same.	IS 512	History of Libraries
IS 514	History of Children's Lit	Moved to IS 503	IS 514	Applied Business Research
IS 515	Media Literacy for Youth	Moved to IS 581	IS 515	Information Modeling
IS 516	School Library Media Center	Moved to IS 532	IS 516	Scalable Information Systems
			IS 517	Methods of Data Science
IS 518	Community Informatics	Moved to IS 520	IS 518	<i>Seminar in Info Services</i>
IS 519	Soc Sc Research in LIS	Moved to IS 560	IS 519	Research Design in IS
			IS 520	Community Informatics
			IS 521	Digital Libraries
IS 522	Info Sources and Services in the Sciences	Moved to IS 582	IS 522	Library Buildings
IS 523	Info Sources and Services in the Social Sciences	Moved to IS 582	IS 523	Preserving Info Resources
IS 524	Info Sources and Services in the Arts & Humanities	Moved to IS 591	IS 524	Data Governance
IS 525	Government Information	Moved to IS 594	IS 525	Data Warehousing
IS 526	Searching Online Information Systems	Discontinue.	IS 526	Building Adv Interactive Systs
IS 527	Literacy, Reading, and Readers	Moved to IS 571	IS 527	Network Analysis
IS 528	Adult Popular Literature	Moved to IS 563	IS 528	<i>Seminar in Info Orgs &amp; Soc Cont</i>
			IS 529	Doctoral ProSeminar
IS 530	<i>Information Needs of Particular Communities</i>	Discontinue.	IS 530	Collection Development
» 530 A	Bibliography of Africa	Moved to IS 451		

» 530 B	Health Sciences Information Services & Resources	Moved to IS 591		
» 530 BI	Business Information	Moved to IS 591		
» 530 GA	Law (Legal Resources)	Discontinue.		
» 530 I	Bioinformatics Problems and Research	Discontinue.		
» 530 MA	Music Librarianship and Bibliography	Moved to IS 591		
» 530 R	Russian, East European, & Eurasian Biblio & Methods	Moved to IS 461		
IS 531	Foundations of Data Curation	Moved to IS 547	IS 531	Unable to be used until FA'27.
IS 532	Theory & Practice of Data Cleaning	Moved to IS 537	IS 532	School Library Management
			IS 533	Oral History Methods
IS 534	Data Policy Seminar	Moved to IS 548	IS 534	Information Consulting
IS 537	Race, Gender, and Sexuality in the Information Profs	Moved to IS 590	IS 537	Data Cleaning
IS 538	Competitive Intelligence & Knowledge Management	Moved to IS 595	IS 538	<i>Seminar in Coll, Pres, &amp; Tech Serv</i>
IS 539	Information Consulting	Moved to IS 534	IS 539	Unable to be used until FA'27.
IS 540	Applied Business Research	Moved to IS 514	IS 540	Social Justice in the Info Profs
			IS 541	Copyright for Information Profs
IS 542	Data, Statistical Models and Information	Moved to IS 507	IS 542	Research & Inquiry for Youth
IS 543	Sociotechnical Information Systems	Moved to IS 504	IS 543	Digital Preservation
IS 544	Library Cooperation & Networks	Moved to IS 590	IS 544	Admin Mgmt Lib & Info Center
IS 545	Social Justice in the Information Professions	Moved to IS 540	IS 545	Adv Data Visualization
IS 546	Intellectual Freedom and Censorship	Moved to IS 584	IS 546	Unable to be used until FA'27.
IS 547	Information Services for Diverse Populations	Moved to IS 571	IS 547	Foundations of Data Curation
IS 548	Library Buildings	Moved to IS 522	IS 548	<i>Seminar in Mgmt, Ethics, &amp; Policy</i>
IS 549	Economics of Information	Moved to IS 594	IS 549	Practicum
			IS 551	Youth Services Librarianship
IS 555	Usability Engineering	Moved to IS 586	IS 555	Naming and Power
IS 556	Implementation of Info Storage and Retrieval Systems	Moved to IS 596	IS 556	Internet of Things
IS 557	Text Mining	Moved to IS 567	IS 557	Appd Machine Learn: Team Proj
			IS 558	<i>Seminar in Org &amp; Represent</i>
IS 559	Network Analysis	Moved to IS 527	IS 559	CAS Project
IS 560	Digital Libraries	Moved to IS 521	IS 560	Soc Sc Research in LIS
IS 561	Information Modeling	Moved to IS 515	IS 561	Use and Users of Information
IS 562	Metadata in Theory & Practice	Moved to IS 575	IS 562	Admin & Use Archiv Resources
			IS 563	<i>Adv Topics in Lit, Media, &amp; Mats</i>
			» 563	Social Justice in Youth Lit
			» 563	Fantasy Lit & Mats for Youth
			» 563	Reviewing Children's Lit
			» 563	Adult Popular Literature
			» 563	Comic Reader's Advisory
			» 563	Lib Resrcs for Spanish Spkrs
			IS 565	Cataloging for School Lib
IS 567	Academic Librarianship	Moved to IS 582	IS 567	Text Mining
IS 568	Theological Librarianship	Moved to IS 582	IS 568	<i>Seminar in Human-Centered D &amp; S</i>
IS 569	Financial Management	Moved to IS 594	IS 569	Internship
IS 571	History of the Book	Moved to IS 583	IS 571	<i>Adv Topics Use &amp; Users of Info</i>
			» 571	Info Serv for Diverse Users
			» 571	Literacy, Reading, and Readers
			» 571	Library Gaming Programs
			» 571	Teen Library Programs
IS 572	Medieval Manuscripts and Early Modern Books	Moved to IS 583	IS 572	Unable to be used until FA'27.
			IS 573	<i>Adv Topics in Collections</i>
			» 573	Coll Dev for Spec Collections
			» 573	Community Archives
			» 573	E-Resources Management
			IS 575	Metadata in Theory & Practice
IS 577	Advanced Bibliographic Metadata	Moved to IS 595	IS 577	Data Mining
IS 578	Technical Services Functions	Moved to IS 593	IS 578	<i>Seminar in Research Methods</i>
			IS 579	<i>Special Topics in Info Sciences</i>
IS 580	Rare Book and Special Collections Librarianship	Moved to IS 582	IS 580	Information History
IS 581	Administration and Use of Archival Materials	Moved to IS 562	IS 581	<i>Adv Topics in Youth Services</i>
			» 581	Media Literacy for Youth
			» 581	Educational Tech and Youth
			» 581	Inquiry-Based Learning
			» 581	Digital Citizenship and Youth
IS 582	Preserving Info Resources	Moved to IS 523	IS 582	<i>Adv Topics in Librarianship</i>
			» 582	Academic Librarianship
			» 582	Science Librarianship
			» 582	Social Science Librarianship
			» 582	Law Librarianship
			» 582	Rare Books Spec Coll Libship

			» 582	Theological Librarianship
			» 582	International Librarianship
IS 583	Grad Bioinformatics Seminar	Discontinue.	IS 583	<i>Adv Topics in Book History</i>
			» 583	History of the Book
			» 583	Medieval Manuscripts
			» 583	Bookbinding Hist, Principles, Pract
			» 583	The Book as Physical Object
IS 584	Archival Arrangement and Description	Moved to IS 593	IS 584	<i>Adv Topics in Ethics &amp; Privacy</i>
			» 584	Intellect Freedom & Censorship
			» 584	Information Ethics
			» 584	Data Ethics
			» 584	Privacy in the Internet Age
IS 585	International Librarianship	Moved to IS 582	IS 585	Bibliographic Metadata
IS 586	Digital Preservation	Moved to IS 543	IS 586	Usability Engineering
IS 587	History and Foundations of LIS	Moved to IS 509	IS 587	<i>Seminar in Data An &amp; Data Sc</i>
IS 588	Research Design in LIS	Moved to IS 519	IS 588	Data Consulting Capstone
			IS 589	Independent Study
IS 590	<i>Advanced Problems in Information Sciences</i>		IS 590	<i>Adv Topics in Info Foundations</i>
» 590 MSC	Machine Learning & Social Comp	Moved to IS 596	» 590	Youth Serv Comm Engagement
» 590 AV	Audiovisual Materials	Moved to IS 593	» 590	Community Engagement
» 590 BB	Bookbinding Hist, Principles, Pract	Moved to IS 583	» 590	Library Co-op & Networks
» 590 BA	Business Analytics	Moved to IS 594	» 590	Race, Gender, Sexuality Info Prof
» 590 CA	Community Archives	Moved to IS 573	» 590	Memory and Information
» 590 CB	Cataloging for School Lib	Moved to IS 565	» 590	Logic and Semantics in Info Sci
» 590 SP	Collection Development for SpColl	Moved to IS 573		
» 590 SC	Command Line Tools	Moved to IS 597		
» 590 CI	Copyright for Information Profs	Moved to IS 541		
» 590 DE	Data Ethics	Moved to IS 584		
» 590 PZ	Data Struct & Algorithm Puzzles	Moved to IS 597		
» 590 DG	Data Governance	Moved to IS 524		
» 590 DT	Data Mining	Moved to IS 577		
» 590 DST	Data Storytelling	Moved to IS 457		
» 590 DSH	Data Science in the Humanities	Moved to IS 417		
» 590 DV	Data Visualization	Moved to IS 445		
» 590 ADV	Adv Data Visualization	Moved to IS 545		
» 590 DY	Digital Citizenship and Youth	Moved to IS 581		
» 590 DH	Digital Humanities	Moved to IS 578		
» 590 ER	E-Resources Management	Moved to IS 573		
» 590 EY	Educational Tech and Youth	Moved to IS 581		
» 590 EV	Eval and Assess of Library Services	Moved to IS 594		
» 590 ED	Exhibit Design & Installation	Moved to IS 593		
» 590 HCS	Human-Centered Info Sys	Moved to IS 506		
» 590 LG	Library Gaming Programs	Moved to IS 571		
» 590 ET	Information Ethics	Moved to IS 584		
» 590 IH	Information History	Moved to IS 580		
» 590 IP	Information Policy	Moved to IS 594		
» 590 IBL	Inquiry-Based Learning	Moved to IS 581		
» 590 IN	Internet of Things	Moved to IS 556		
» 590 LL	Law Librarianship	Moved to IS 582		
» 590 SS	Library Resource for Spanish Spkrs	Moved to IS 563		
» 590 ML	Applied Machine Learn Team Proj	Moved to IS 557		
» 590 MD	Methods of Data Science	Moved to IS 517		
» 590 NP	Naming and Power	Moved to IS 555		
» 590 OM	Open Data Mashups	Moved to IS 597		
» 590 OH	Oral History Methods	Moved to IS 533		
» 590 PD	Practical Health Data Analytics	Moved to IS 597		
» 590 PC	Preserv & Conserv Colls Care	Moved to IS 593		
» 590 PL	Public Libraries	Moves to IS 592		
» 590 PV	Privacy in the Internet Age	Moved to IS 584		
» 590 PR	Programming for Analytics & Data	Moved to IS 597		
» 590 PM	Project Management	Moved to IS 594		
» 590 QM	Qualitative Methods	Moved to IS 578		
» 590 BC	Rare Book Cataloging	Moved to IS 595		
» 590 RV	Reviewing Children's Lit	Moved to IS 563		
» 590 SJ	Social Justice in Youth Lit	Moved to IS 563		
» 590 SM	Social Media Analytics	Moved to IS 596		
» 590 BP	The Book as Physical Object	Moved to IS 583		
» 590 TH	Theories of Information	Moved to IS 500		
» 590 WD	Web Design & Construc Organizs	Moved to IS 429		

» 590 WF	Web Devel Using App Framwrk	Moved to IS 439		
» 590 EL	E-Learning	Moved to IS 591		
» 590 GW	Grant Writing for Libraries	Moved to IS 592		
» 590 CR	Comics Readers Advisory	Moved to IS 563		
» 590 DW	Data Warehousing & BI	Moved to IS 525		
IS 591	Practicum	Moved to IS 549	IS 591	<i>Adv Topics in Info Services</i>
			» 591	E-Learning
			» 591	Informal Learning and Pedagogies
			» 591	Publishing as Info Prof
			» 591	Adult Public Services
			» 591	Health Sci Info Servs & Resources
			» 591	Business Information
			» 591	Music Librarianship & Biblio
			» 591	Info Srcs & Srvc in Humanities
IS 592	Independent Study	Moved to IS 589	IS 592	<i>Adv Topics in Info Orgs</i>
			» 592	Public Libraries
			» 592	Grant Writing for Libraries
IS 593	CAS Project	Moved to IS 559	IS 593	<i>Adv Topics Pres &amp; Tech Serv</i>
			» 593	Preserv & Conserv Colls Care
			» 593	Exhibit Design and Install
			» 593	Audiovisual Mats in Lib & Arch
			» 593	Technical Services Functions
			» 593	Archival Arrg & Descript
			» 593	Museum Archives
IS 594	Information Sciences Practice	Moved to IS 569	IS 594	<i>Adv Topics Mgmt &amp; Policy</i>
			» 594	Eval and Assess of Library Services
			» 594	Information Policy
			» 594	Government Information
			» 594	Economics of Information
			» 594	Data Governance
			» 594	Financial Management
			» 594	Business Analytics
			» 594	Project Management
			IS 595	<i>Adv Topics in Org &amp; Represent</i>
			» 595	Rare Book Cataloging
			» 595	Advanced Bibliographic Metadata
			» 595	Competitive Intel & Knwlge Mgmt
			IS 596	<i>Adv Topics Human-Centered D &amp; S</i>
			» 596	Social Media Analytics
			» 596	Global Health Informatics
			» 596	Machine Learning & Social Comp
			» 596	Implement Info Stor & Retr
			IS 597	<i>Adv Topics in Data An &amp; Data Sc</i>
			» 597	Data Structures & Alg
			» 597	Open Data Mashups
			» 597	Practical Health Data Analytics
			» 597	Programming for Analytics & Data
			» 597	Linked Open Data
			» 597	Command Line Tools
IS 599	Thesis Research	Same.	IS 599	Thesis Research