



University of Illinois & University of Hong Kong Data Curation Training Program



Co-organized by University of Hong Kong (HKU) & Graduate School of Library and Information Science (GSLIS), University of Illinois

Date: February 25th — February 27th, 2015

Venue: University Library, Hong Kong University of Science and Technology

Registration Fee: \$3,200 HKD, including all materials, lunch and refreshments each day

To Register: Contact Dr. Sam Chu (samchu@hku.hk)

Purpose:

To meet the increasing need of academic librarians in Hong Kong (and neighboring regions) for capability in data curation and related theories, techniques and best practices.

Instructors:

Dr. J. Stephen Downie

Professor and Associate Dean for Research, GSLIS, University of Illinois

Mr. Nicholas Weber & Ms. Andrea Thomer

Data scientists and researchers, GSLIS, University of Illinois

Dr. Xiao Hu

Assistant Professor, University of Hong Kong

Format:

- ▶ 3-day, on-site, intensive training program
- ▶ Keynote presentations & lectures
- ▶ Case studies featuring interactive discussions covering each study
- ▶ Hands-on lab exercises held in e-learning classrooms with support from trained assistants from HKU
- ▶ Online interactive lecture with metadata expert Dr. Jerome McDonough, Associate Professor, GSLIS, University of Illinois

Anticipated Audience:

The targeted audience is academic librarians in Hong Kong and neighboring regions, assumed to have Master's degrees (or higher) in librarianship along with introductory level education on data curation. Given the assumed level of experience, this program will mostly cover intermediate level content and be most helpful to individuals working in mixed subject domains: humanities, the sciences and social sciences. Self-training materials will be prepared and shared with participants before the program to allow for time to gain basic knowledge in advance.

Intended Learning Outcomes:

1. Improve understanding of and familiarity with data management life cycles
 2. Gain hands-on experience with developing data management plans associated with sponsored projects, with an eye toward risk and sustainability
 3. Learn to select and assess data management tools and repository systems for different disciplines for the purpose of sharing collections
 4. Ability to select and adapt standards for data management and utilize existing tools
 5. Use tools and approaches for data storage and access as well as understanding the inherent contextual frameworks, limitations and opportunity
 6. Improve understanding and contextualizing of digital objects and accounting for data provenance
 7. Participants will gain hands-on exposure to contextual data metadata schema design and learn how they support curation
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Tentative Program:

Day 1: Data Curation Life Cycles (ILO: 1, 2, 3) & Introduction to Field & Academic Data Curation

Morning session

- 9:00 - 9:05:** Welcome with Dr. Sam Chu (Associate Professor and Head, Division of Information and Technology Studies, HKU) and Ms. Diana Chan (University Librarian, HKUST)
- 9:05 - 9:15:** Opening words from Dr. Allen Renear (Professor and Dean, GSLIS, University of Illinois)
- 9:15 - 10:15:** Keynote address - "Open Data and Scholarly Communication"
- 10:15 - 10:30:** Coffee break
- 10:30 - 12:30:** Lecture - "Data Curation Life Cycles and Tools"
- 12:30 - 14:00:** Lunch break

Afternoon session - attendees will split into two groups

Group A

- 14:00 - 15:30:** Case studies - data conservancy (in-depth analysis of a successful project in an academic library) and site-based data curation
- 15:30 - 15:45:** Coffee break
- 15:45 - 17:15:** Hands-on lab - data management planning tools (DMP online, etc.)
- 17:15 - 17:30:** Day 1 wrap-up

Group B

14:00 - 15:30: Hands-on lab - data management planning tools (DMP online, etc.)

15:30 - 15:45: Coffee break

15:45 - 17:15: Case studies - data conservancy (in-depth analysis of a successful project in an academic library) and site-based data curation

17:15 - 17:30: Day 1 wrap-up

Day 2: Metadata Schema Design, Adaptation & Contextualization (ILO: 5, 6)

Morning session

9:00 - 10:00: Lecture - “Selecting and Applying Standards for Building Data Collections” - interactive session with Dr. Jerry McDonough and Dr. J. Stephen Downie

10:00 - 10:15: Coffee break

10:15 - 12:15: Lecture - “Designing and Adapting Data Specific Metadata Schema in Context”

12:15 - 12:30: Open discussion and question and answer period

12:30 - 14:00: Lunch break

Afternoon session - attendees will split into two groups

Group A

14:00 - 15:30: Case study - data curation at the National Center of Atmosphere Research (NCAR)

15:30 - 15:45: Coffee break

15:45 - 17:15: Hands-on lab - data mark-up, cleaning and transfer (to repository for preservation/re-use); Google Refine

17:15 - 17:30: Day 2 wrap-up

Group B

14:00 - 15:30: Hands-on lab - data mark-up, cleaning and transfer (to repository for preservation/re-use); Google Refine

15:30 - 15:45: Coffee break

15:45 - 17:15: Case study - data curation at the National Center of Atmosphere Research (NCAR)

17:15 - 17:30: Day 2 wrap-up

Day 3: Providing Data Storage & Access Services (ILO: 4, 5)

Morning session

9:00 - 10:30: Keynote address - “HathiTrust: Large-Scale Data Repository in the Humanities”

10:00 - 10:15: Coffee break

10:15 - 12:15: Lecture - “Providing Data Services”

12:15 - 12:30: Open discussion and question and answer period

12:30 - 14:00: Lunch break

Afternoon session - attendees will split into two groups

Group A

14:00 - 15:15: Case study - learning from past successes and failures

15:15 - 15:30: Coffee break

15:30 - 17:15: Hands-on lab - preservation auditing and assessment

Group B

14:00 - 15:15: Hands-on lab - preservation auditing and assessment

15:30 - 15:45: Coffee break

15:45 - 17:15: Case study - learning from the past’s successes and failures

16:45 - 17:30: Plenary closing session - discussion on how to effectively involve researchers and administrators in data curation. Panel includes Dr. J. Stephen Downie, Dr. Sam Chu, Mr. Peter Sidorko, Ms. Diana Chan, Mr. Nicholas Weber, Ms. Andrea Thomer, Dr. Xiao Hu