**分類理論研究**

**(Seminar in Classification Theories)**

**107學年度上學期**

藍文欽

圖書資訊學系第八研究室 lanw@ntu.edu.tw 3366-2964

126 M0180 上課時間: 星期二 9:10-12:10 上課地點: 圖資系研討室二

**課程簡介：**

理論是領域中已知知識的概要與綜合，是有關其本質特性的規律與原則的陳述。圖書分類涉及圖書分類系統的設計建構，也包括辨識圖書資訊內容將其歸入適當類目體系的活動。因此，圖書分類理論可理解為圖書分類與圖書分類法之相關知識的概要性闡述，是其基本概念、規律與關聯的系統化綜整。本課程旨在藉由專書研讀，引導同學掌握中英文有關圖書分類理論的重要文獻，並對中西圖書分類的基礎理論與原則有所認識。

課程專屬之Mailing List： **Classification\_Theory@mail.lis.ntu.edu.tw**

* 請透過http://list.lis.ntu.edu.tw 加入此課程list
* 討論事項則請寄往Classification\_Theory@mail.lis.ntu.edu.tw
* 課程mailing list，可將它視同一個email帳號，收件人是修課的全部同學。
* 這是大家共享的園地，可分享心得、討論問題等，請多加利用。

**課程參考資料：**

左玉河（2004）。從四部之學到七科之學：學術分科與近代中國知識系統之創建。上海：上海書店。

何光國(民79)。圖書資訊組織原理。台北市 : 三民。

何光國(民90)。圖書館學理論基礎。台北：三民。

余慶蓉，王晉卿（1998）。中國目錄學思想史。湖南教育出版社。

周彥文(民84)。中國目錄學理論。台北市：臺灣學生。

傅榮賢(民88)。中國古代圖書分類學研究。台北市：臺灣學生。

Abbas, J. (2010). *Structures for organizing knowledge: Exploring taxonomies, ontologies, and other schemas*. New York: Neal-Schuman Publishers.

Andersen, J., & Skouvig, L. (Eds.) (2017). The organization of knowledge: Caught between global structures and local meaning. Bingley, UK: Emerald Publishing Limited.

Batley, S. (2005). *Classification in theory and practice*. Oxford: Chandos.

Bean, C. A., & Green, R. (2001). *Relationships in the organization of knowledge.* Dordrecht: Kluwer Academic Publishers.

Blair, D. C. (1990). *Language and representation in information retrieval*. Amsterdam: Elsevier Science Publishers.

Bliss, H. E. (1929). *The organization of knowledge and the system of the sciences.* New York: Henry Holt.

Borgman, C. L. (2000). *From Gutenberg to the global information infrastructure: Access to information in the networked world*. Cambridge, Mass.: The MIT Press.

Bowker, G., & Star, S. L. (1999). *Sorting thing out: Classification and its consequences*. Cambridge, MA: MIT Press.

Broughton, V. (2004). *Essential classification*. London: Facet Publishing.

Buchanan, B. (1979). *Theory of library classification.* London: Clive Bingley.

Burke, P. (2000). *A social history of knowledge: From Gutenberg to Diderot*. Cambridge, UK: Polity.

Burke, P. (2012). *A social history of knowledge II: From the Encyclopédie to Wikipedia*. Cambridge, UK: Polity.

[以上二書有中文合譯本：陳志宏等譯（2016）。*知識社會史*。杭州市：浙江大學出版社。]

Carpenter, M., & Svenonius, E. (Eds.) (1985). *Foundations of cataloging: A sourcebook*. Littleton, Colo.: Libraries Unlimited.

Carter, R. C. (2000). *Managing cataloging and the organization of information: Philosophies, practices, and challenges at the onset of the 21st century*. Binghamton, NY: Haworth Information Press.

Chambers, S. (Ed.) (2013). *Catalogue 2.0: The future of the library catalogue*. London: Facet Publishing.

Chan, L. M., Richmond, P. A., & Svenonius, E. (Eds.) (1985). *Theory of subject analysis: A sourcebook*. Littleton, Colo. : Libraries Unlimited.

Chowdhury, G. G., & Chowdhury, S. (2007). *Organizing information from the shelf to the Web.* London: Facet Publishing.

Coyle, K. (2016). *FRBR before and after: A look at our bibliographic models*. Chicago: American Library Association.

Currás, E. (2010). *Ontologies, taxonomies and thesauri in systems science and systematic.* Oxford : Chandos Publishing.

Day, R. E. (2014). *Indexing it all: The subject in the age of documentation, information, and data*. Cambridge, MA: The MIT Press.

Ellen, R. F., & Reason, D. (Eds). (1979). Classifications in their social context. London: Academic Press.

Ereshefsky, M. (2001). *The poverty of the Linnaean hierarchy: A philosophical study of biological taxonomy*. Cambridge: Cambridge University Press.

Flint, R. (1904). *Philosophy as scientia scientiarum, and, A history of classifications of the sciences*. New York: Charles Scribner’s Sons. [此書有多種電子書版本，可由下列網址取得：https://archive.org/details/philosophyassci00flingoog]

Foskett, A. C. (1996). *The subject approach to information* (5th ed.). London : Library Association Pub.

Foucault, M. (1972). *The archaeology of knowledge and The discourse on language*. New York: Pantheon Books.

Foucault, M. (1973). *The order of things: An archaeology of the human sciences.* New York: Vintage Books.

Frické, M. (2012). Logic and the organization of information. New York: Springer.

Glushko, R. J. (Ed.). (2013). *The discipline of organizing.* Cambridge, MA: MIT Press. [本校訂有電子版]

Godby, C. J., Wang, S., & Mixter, J. K. (2015). *Library linked data in the cloud: OCLC's experiments with new models of resource description*. San Rafael: Morgan & Claypool.

Golub, K. (2015). *Subject access to information: An interdisciplinary approach.* Snata Barbara, California: Libraries Unlimited.

Green, R., Bean, C. A., & Myaeng, S. H. (Eds.) (2002). *The semantics of relationships: An interdisciplinary perspectives*. Dordrecht: Kluwer Academic Pub.

Heath, T., & Bizer, C. (2011). *Linked data: Evolving the Web into a global data space*. San Francisco: Morgan & Claypool. HTML version can be retrieved from <http://linkeddatabook.com/editions/1.0/>

Hjørland, B. (1997). *Information seeking and subject representation: An activity-theoretical approach to information science*. Westport, Conn.: Greenwood Press.

Hlava, M. M. K. (2015). *The taxobook: History, theories and concepts of knowledge organization*. Part 1 of a 3-part series. [San Rafael, California]: Morgan & Claypool Publishers.

Hodge, G. (2000). *Systems of knowledge organization for digital libraries: Beyond traditional authority files*. Washington, DC: The Digital Library Federation. Retrieved from <http://www.clir.org/pubs/reports/pub91/pub91.pdf>

Hooland, S. v. & Verborgh, R. (014). *Linked data for libraries, archives and museums: How to clean, link and publish your metadata*. London: Facet Publishing.

Hyvonen, E. (2012). *Publishing and using cultural heritage linked data on the semantic web*. San Rafael, Calif.: Morgan & Claypool.

Iyer, H. (1995). *Classificatory structures: Concepts, relations, and representation.* Frankfurt: Indeks Verlag.

Jagerman, E. J. (2006). *Creating, maintaining and applying quality taxonomies*. Zoetermeer: E. J. Jagerman.

Joudrey, D. N., Taylor, A. G., & Miller, D. P. (2015). *Introduction to cataloging and classification* (11th ed.). Santa Barbara, California: Libraries Unlimited.

Joudrey, D. N., & Taylor, A. G. (2018). *The organization of information* (4th ed.). Santa Barbara, Calif.: Libraries Unlimited.

Kipfer, B. A. (2001). *The order of things: How everything in the world is organized into hierarchies, structures, and pecking order*s (rev. ed.). New York: Random House.

Kumar, K. (1988). *Theory of classification* (4th ed.). New Delhi: Vikas House.

Lakoff, G. (1987). *Women, fire and dangerous things: What categories reveal about the mind.* Chicago: University of Chicago Press. [中譯本書名：*女人、火與危險事物*，桂冠出版]

Langridge, D. W. (1992). *Classification: Its kinds, elements, systems and applications.* London: Bowker-Saur.

Lima, M. (2011). *Visual complexity: Mapping patterns of information*. New York: Princeton Architectural Press.

Machlup, F. (1982). *Knowledge: Its creation, distribution, and economic significance. V. 2. The branches of learning.* Princeton, N.J.: Princeton University Press.

Marcella, R., & Maltby, A. (Eds.) (2000). *The future of classification*. Aldershot, Eng.; Brookfield, VT: Gower.

Miksa, F. L. (1998). *The DDC, the universe of knowledge, and the post-modern library.* Albany, NY: OCLC.

*Online catalogs: What users and librarians want: An OCLC report*. (2009). <http://www.oclc.org/en/reports/onlinecatalogs.html>

Olson, H. A., & Boll, J. J. (2001). *Subject analysis in online catalogs*. Englewood, Colo: Libraries Unlimited.

Painter, A. F. (Ed.) (1972). *Reader in classification and descriptive cataloging*. Washington, DC: The National Cash Register Company.

Ranganathan, S. R. (1967). *Prolegomena to Library Classification* (3rd. ed.). New York: Asia Publishing House. Available online: <http://hdl.handle.net/10150/106370>

Ranganathan, S. R. (1989). *Philosophy of library classification*. Bangalore: Sarada Ranganathan Endowment for Library Science. Available online: <http://hdl.handle.net/10150/105278>

Richardson, E. C. (1930). *Classification: Theoretical and practical* (3rd ed.). New York: H. W. Wilson.

[1901年初版：<https://babel.hathitrust.org/cgi/pt?id=coo1.ark:/13960/t2h710h9v;view=1up;seq=7>

1912年2版：<https://archive.org/details/classificationt01richgoog>

1930年3版，可在下列網站線上閱讀：<https://babel.hathitrust.org/cgi/pt?id=mdp.39015034800279;view=1up;seq=11>]

Riva, P., Le Bœuf, P. & Žumer, M. (2017). *IFLA library reference model: A conceptual model for bibliographic Information*. Haag: IFLA. Available from: <https://www.ifla.org/files/assets/cataloguing/frbr-lrm/ifla-lrm-august-2017_rev201712.pdf>

Rowley, J., & Farrow, J. (2002). *Organizing knowledge: An introduction to managing access to information* (3rd ed.). Aldershot, Hampshire, England ; Burlington, Vt. : Ashgate.

Sayers, W. C. B. (1975). *Sayers’ manual of classification for librarians* (5th ed.). London : Deutsch. (Revised by A. Maltby)

Schwartz, C. (2001). *Sorting out the Web: Approaches to subject access*. Westport, Conn.: Ablex Pub.

Shera, J. H., & Egan, M. E. (Eds.) (1951). *Bibliographic organization: Papers presented before the Fifteenth Annual Conference of the Graduate Library School, July 24-29, 1950*. Chicago: University of Chicago Press.

Smiraglia, R. P. (2001). *The nature of a work: Implications for the organization of knowledge*. Lanham, Md.: Scarecrow Press.

Smiraglia, R. P. (Ed.) (2002). *Works as entities for information retrieval*. New York: Haworth Information Press. [Co-published simultaneously as *Cataloging & classification quarterly*, v. 33, nos. 3/4]

Smiraglia, R. P. (2014a). *The elements of knowledge organization*. Cham: Springer. [本校訂有電子版]

Smiraglia, R. (2014b). Cultural synergy in information institutions. New York: Springer.

Smiraglia, R. P. (2015). Domain analysis for knowledge organization: Tools for ontology extraction. Waltham, MA: Chandos Publishing.

Smiraglia, R. P., & Lee, Hur-Li. (Eds.) (2012). *Cultural frames of knowledge.* Wurzburg: Ergon-Verlag.

Smiraglia, R. P., & Lee, Hur-Li. (Eds.) (2015). *Ontology for knowledge organization.* Wurzburg: Ergon-Verlag.

Smiraglia, R. P., Riva, P., & Žumer, M. (Eds.) (2013). *The FRBR family of conceptual models: Toward a linked bibliographic future*. London: Routledge. [Co-published simultaneously as *Cataloging & classification quarterly*, vol. 50, issue 5-7]

Smith, G. (2008). *Tagging: People-powered metadata for the social web.* Berkeley, CA: New Riders. [大陸有中譯本]

Stuary, D. (2016). *Practical ontologies for information professionals*. London: Facet Publishing.

Svenonius, E. (Ed.) (1989). ***The conceptual foundations of descriptive cataloging****.* San Diego: Academic Press.

Svenonius, E. (2000). *The intellectual foundation of information organization*.Cambridge, Mass. : MIT Press, 2000.

Szostak, R. (2004). *Classifying science: Phenomena, data, theory, method, practice*. Dordrecht, Netherlands: Springer.

Szostak, R., Gnoli, C., & López-Huertas, M. (2016). *Interdisciplinary knowledge organization*. Cham: Springer International Publishing.

Taylor, A. G. (Ed.) (2007). *Understanding FRBR: What it is and how it will affect our retrieval tools.* Westport, Conn.: Libraries Unlimited.

Vickery, B. C. (1959). *Classification and indexing in science.* London: Butterworth.

Weinberber, D. (2007).  Everything is miscellaneous: The power of the new digital disorder. New York: Times Books. [中譯本書名：*亂是一種新商機*，天下遠見出版社，2008]

Williamson, N. J., & Beghtor, C. (Eds.) (2003). *Knowledge organization and classification in international information retrieval*. Binghamton, NY: Haworth Press.

Williamson, N. J., & Hudon, M. (1992). *Classification research for knowledge representation and organization*. Amsterdam: Elsevier.

Wilson, P. (1968). *Two kinds of power: An essay on bibliographical control*. Berkeley, CA: University of California Press.

Wood, D., Zaidman, M., & Ruth, L. (2014). *Linked data: Structured data on the Web*. Shelter Island: Manning.

Zerubavel, E. (1993). *The fine line: Making distinctions in everyday life*. Chicago: University of Chicago Press.

**Web-based Resources**

* Online Dictionary for Library and Info Science <https://www.abc-clio.com/ODLIS/odlis_about.aspx>
* ISKO Encyclopedia of Knowledge Organization

<http://www.isko.org/cyclo/>

* Concepts in Library & Information Science and Knowledge Organization compiled by Birger Hjørland <https://web.archive.org/web/20090620061036/http://www.db.dk:80/bh/Core%20Concepts%20in%20LIS/home.htm>
* The Epistemological Lifeboat: Epistemology and Philosophy of Science for Information Scientists compiled by Birger Hjørland and Jeppe Nicolaisen. <https://web.archive.org/web/20090523212306/http://www.db.dk:80/jni/lifeboat/>
* Lifeboat for Knowledge Organization compiled by Birger Hjørland <https://web.archive.org/web/20090104084110/http://www.db.dk:80/bh/Lifeboat_KO/home.htm>
* S. R. Ranganthan’s 相關著作全文 （以Ranganathan進行檢索或瀏覽）<https://repository.arizona.edu/>
* The Internet Encyclopedia of Philosophy   
  <https://www.iep.utm.edu/>
* Routledge Encyclopedia of Philosophy Online

<http://www.rep.routledge.com/>

* Stanford Encyclopedia of Philosophy

<http://plato.stanford.edu/>

* Asilomar Institute for Information Architecture Library

<https://www.iainstitute.org/resources>

**成績評分標準：**

1. Opinion paper ：請就下列議題各撰寫二至三頁的短篇論述，每篇先釐清定義問題，其次比較兩個概念間的異同，最後討論兩個概念應用於分類上的取捨問題。
   1. Aboutness vs. subject (10/2繳交) (10%)
   2. Literary warrant vs. user warrant (11/6繳交) (10%)
   3. Standardization/globalization vs. localization (12/11繳交) (10%)
2. 出席與課堂參與討論 (20%)
3. 期末literature review報告：請參考課程大綱各週的題材，由其中擇一撰寫文獻分析報告。 (1/14 中午12點之前繳交) (50%)
   1. 報告採1.5行距，至少應有15面。
   2. 報告中需說明所分析的文獻如何取得（如：利用的資料庫為何？檢索詞為何？如何限縮範圍？如何篩選？），文獻分析內容需是綜整式的，不宜只將文獻依年代先後條列。

**課程進度：**

**Week 1 9/11 Introduction / Theory and LIS**

藍文欽（2004）。描述性後設資料之無力論。*王振鵠教授八秩榮慶論文集*（頁273-282）。臺北市：台灣學生書局。

Hjørland, B. (2008). What is knowledge organization (KO)? *Knowledge Organization, 35* (2/3), 86-101.

Hjørland, B. (2011). The importance of theories of knowledge: Indexing and information retrieval as an example. *Journal of the American Society for Information Science and Technology*, *62* (1), 72-77.

Bates, M. J. (2005). An Introduction to metatheories, theories, and models. In K. E. Fisher, S. Erdelez, & L. McKechnie (Eds.), *Theories of information behavior* (pp. 1-29). Medford, NJ: Information Today.

[其他參考資料]：

Dubin, R. (1978). *Theory building*. (Rev. ed.) New York: The Free Press. Chap. 2: Theory (pp. 15-32).

Gibbs. J. P. (1972). *Sociological theory construction*. Hinsdale, Ill.: Dryden Press. Chap. 5.

Karamuftuoglu, M. (2007). Need for a systemic theory of classification in information science. *Journal of the American Society for Information Science and Technology, 58*(13), 1977-1987.

Smiraglia, R. P., & Lee, Hur-Li. (Eds.) (2012). *Cultural frames of knowledge.* Wurzburg: Ergon-Verlag. Chap. 1, Introduction.

Tennis, J. T. (2008). Epistemology, theory, and methodology in knowledge organization: Toward a classification, metatheory, and research framework. *Knowledge Organization, 35* (2/3), 102-112.

Sonnenwald, D. H. (Ed.) (2016). *Theory development in the information sciences*. Austin, TX: University of Texas Press.

McGrath,W. E. (Ed.) (2002). *Current theory in library and information science*. Champaign, IL: University of Illinois, Graduate School of Library and Information Science. [瀏覽]

Fisher, K. E., Erdelez, S., & McKechnie, L. (Eds.) (2005). *Theories of information behavior*. Medford, N.J.: Information Today. [瀏覽]

**Week 2 9/18 我國古代有關分類與圖書分類理論的重要文獻**

《荀子》，〈正名篇〉

《墨子》，〈經上〉、〈經下〉、〈經說上〉、〈經說下〉、〈大取〉、〈小取〉

《公孫龍子》，〈指物論〉、〈白馬論〉、〈堅白論〉、〈名實論〉

毋煚，〈古今書錄序〉（附於《舊唐書經籍志》中）

智昇，〈開元釋教錄序〉

鄭樵，《通志校讎略》

胡應麟，《九流緒論》

祁承熯 ，《庚申整書略例》 [熯字，正確是左半為「火」，右半為「業」]

章學誠，《校讎通義》，〈原道〉、〈宗劉〉、〈互著〉、〈別裁〉等篇

[參考資料]：

藍文欽（2018）。《墨辯》中的分類思維初探。圖書資訊學刊，16(1)，頁77-108。檢索自：<https://jlis.lis.ntu.edu.tw/article/v16-1-4.pdf>

藍文欽（2016）。圖書分類理論與圖書分類原則。在張慧銖主編，*主題分析*（頁45-84），台北市：華藝。[讀頁48-51]

鄭惠珍、陳雪華（2015）。從範疇理論的角度探索中西圖書分類思維。*圖書資訊學研究，10*（1），頁83-121。 <http://lac3.glis.ntnu.edu.tw/vj-attachment/2016/01/attach191.pdf>

鄭惠珍、陳雪華（2016）。從文獻保證原理的角度探討中國古代圖書分類法。*圖書資訊學刊*，*14*（1），頁87-114。 <http://jlis.lis.ntu.edu.tw/article/v14-1-4.pdf>

荀況原著，北京大學哲學系注（1983）。*荀子新注*。臺北市：里仁。

熊公哲（註譯）（2010）。*荀子今註今譯*（二版）。臺北市：臺灣商務。

王讚源主編（2011）。*墨經正讀*。上海市：上海科學技術文獻出版社。

李漁叔（1968）。*墨辯新注*。臺北市：臺灣商務印書館。

李漁叔（注譯）（1974）。*墨子今注今譯*。臺北市：臺灣商務印書館。

譚戒甫。*公孫龍子形名發微*。北京：中華書局，1963。

蕭登福。*公孫龍子與名家*。臺北市：文津出版社，1984。

錢亞新。鄭樵校讎略硏究。台中市：文宗，民63。

王嘉川著。布衣與學術：胡應麟與中國學術史硏究。北京：商務印書館，2005。

呂斌著。胡應麟文獻學研究。北京：中國社會科學，2006。

章學誠著，王重民通解，田映曦補注。校讎通義通解。上海：上海古籍，2009。

何光國(民79)，圖書資訊組織原理，第八章第一節。

楊家駱主編（民66）。校讎學系編。台北市：鼎文書局。

劉兆祐註譯。*校讎通義今註今譯*。臺北市：台灣學生書局，2012。

楊家駱主編（民66）。*校讎學系編*。台北市：鼎文書局。

[語言與名實問題]

Benediktsson, D. (1989). Hermeneutics: Dimensions toward LIS thinking. *Library and Information Science Research,* 11, 201-234.

Blair, D. C. (1990). *Language and representation in information retrieval*. Amsterdam ; New York : Elsevier Science Publishers.

Blair, D. C. (1992). Information retrieval and the philosophy of language. *Computer Journal* 35(3), 200-207.

Blair, D. C. (2003). Information retrieval and the philosophy of language. In *Annual Review of Information Science and Technology*, V.37 (pp. 3-50). Medford, NJ: Information Today.

Cornelius, I. (1996). *Meaning and method in information studies*. Norwood, NJ: Ablex.

Kaplan, A. (1964). The age of the symbol: A philosophy of library education. *Library Quarterly,* 34, 295-304.

Warner, J. (1990). Semiotics, information science documents and computers. *Journal of Documentation,* 46(1), 16-32.

Wright, H. C. (1986). The symbol and its referent: An issue for library education. *Library Trends,* 34(4), 729-776.

**Week 3 9/25 Classification – Overview**

Sokal, R. (1974). Classification: Purposes, principles, progress, prospects. *Science*, 185 (no. 4157): 1115-1123. (可由JSTOR Archive取得全文) <https://www.jstor.org/stable/pdf/1738359.pdf?refreqid=excelsior%3A577758d08fe916ca9a0d84940b4676c6>

Hjørland, B. (2018). Classification (v.1.4.3). *ISKO Encyclopedia of Knowledge Organization*. Retrieved from <http://www.isko.org/cyclo/classification> [Appendix部分只需瀏覽]

Slavic, A. (2011) Classification revisited: A web of knowledge. In A. Foster & P. Rafferty (Eds.), *Innovations in information retrieval: Perspectives for theory and practice* (pp. 23-48). London: Facet. Retrieved from <https://arxiv.org/pdf/1705.07058.pdf>

[其他參考資料]：

Atkinson, H. C. (1990). Classification in an unclassified world. In B. G. Bengtson & J. S. Hill (Eds.), *Classification of library materials: Current and future potential for providing access* (pp. 1-15). New York: Neal-Schuman.

Glushko, R. J. (Ed.). (2013). *The discipline of organizing.* Cambridge, MA: MIT Press. Chap. 7, Classification.

Hemerly, J. (2010). Classification. In B. Glushko (Ed.), Intellectual foundations for information organization and information retrieval (a draft book). Chapter 6. Retrieved from <http://people.ischool.berkeley.edu/~glushko/IFIOIR/Chapter6-20100917.pdf>

Hjørland, B. (2012). Is classification necessary after Google? *Journal of Documentation, 68*(3), 299-317.

Hunter, E. (2000). Do we still need classification? In R. Marcella, & A. Maltby (Eds.), *The future of classification* (pp.1-17). Aldershot, Eng.; Brookfield, VT: Gower.

Losee, R. M. (1993). Seven fundamental questions for the science of library classification. *Knowledge Organization,* 20(2), 65-70.

Losee, R. M. (1995). How to study classification systems and their appropriateness for individual institutions. *Cataloging & Classification Quarterly*, 19 (3/4), 45-58.

Maltby, A. (1976). Classification – logic, limits, levels. In A. Maltby (Ed.), *Classification in the 1970s: A second look* (pp.9-24). London: Clive Bingley.

Marcella, R., & Newton, R. (1994). *A New Manual of Classification*. Hampshire: Gower. Chap. 1 & 2.

Miksa, F. L. (1993). Classification. In W. A. Wiegard & D. G. Davis (Eds.), *Encyclopedia of library history* (pp. 144-153). New York : Garland Pub.

Svenonius, E. (1992). Classification: Prospects, problems and possibilities. In N. J. Williamson, & M. Hudon (Eds.), *Classification Research for Knowledge Representation and Organization* (pp. 5-25). Amsterdam: Elsevier.

**Week 4 10/2 Classification--History**

Vickery, B. C. (1959). *Classification and Indexing in Science*, Appendix A: Historical Aspects of the Classification of Science (pp. 147-180).

Burke, P. (2000). *A social history of knowledge: From Gutenberg to Diderot*, Chap. 5 : Classifying Knowledge.  [中譯本：*知識社會史*]

Mills, J. (1970). Library classification. *Journal of Documentation*, 26(2), 120-160.

[其他參考資料]：

Hjorland, B., & Albrechtsen, H. (1999).  An analysis of some trends in classification research.  Knowledge Organization, 26(3): 131-139.

Kumar, K. (1983). *Theory of classification*, 4th ed. New Delhi: Vikas House. Chap. 5, Evolution of Theory of Library Classification.

LaMontagne, L. E. (1953). Historical background of classification. In M. F. Tauber (Ed.), The subject analysis of library materials (pp.16-28). New York: School of Library Service, Columbia University.

Machlup, F. (1982). *Knowledge: Its creation, distribution, and economic significance. V. 2. The branches of learning.* Princeton, N.J.: Princeton University Press.

Mai, J.E. (2003). The future of general classification. *Cataloging and Classification Quarterly,* 37(1/2), 3-12.

**Week 5 10/9 Classification--Functions**

Shera, J. H. (1951). Classification as the basis of bibliographic organization. In J. H. Shera & M. E. Egan (Eds), *Bibliographic organization: Papers presented before the Fifteenth Annual Conference of the Graduate Library School July 24-29, 1950* (pp. 72-93). Chicago: University of Chicago Press.

Kwaśnik, B. H. (1992). The role of classification structures in reflecting and building theory. *Advances in Classification Research*, 3, 63-81.

Kwaśnik, B. H. (1999). The role of classification in knowledge representation and discovery. Library Trends 48(1), 22-47.

[其他參考資料]：

Hall, A. V. (1994). Understanding the powerful grouping sense through a unifying classification theory. *Knowledge Organization, 21*(3), 126-131.

Maltby, A, & Marcella, R. (2000). Organizing knowledge: the need for system and unity. In R. Marcella, & A. Maltby (Eds.), *The future of classification* (pp.19-31). Aldershot, Eng.; Brookfield, VT: Gower.

Miksa, F. L. (1992). The concept of the universe of knowledge and the purpose of LIS classification. In N.J. Williamson & M. Hudon (Eds.), *Classification research for knowledge representation and organization* (pp. 101-126). New York: Elsevier Science Pub.

Rafferty, Pauline (2001). The representation of knowledge in library classification schemes. *Knowledge Organization*, 28(4): 180-191.

**Week 6 10/16 Aboutness**

Hutchins, W. J. (1978). The concept of ‘aboutness’ in subject indexing. *Aslib Proceedings*, 30(5), 172-181.

Hjorland, B. (2016). Subject (of document). *Knowledge Organization, 44*(1), 55-64. Also published in *ISKO Encyclopedia of Knowledge Organization*. Retrieved from <http://www.isko.org/cyclo/subject>

Rondeau, S. (2014). The life and times of aboutness: A review of the library and information science literature. *Evidence Based Library and Information Practice, 9*(1), pp.14-35.DOI: 10.1080/00048402.2017.1388826

[其他參考資料]：

Beghtol, C. (1986). Bibliographic classification theory and text linguistics: Aboutness analysis, intertextuality and the cognitive act of classifying documents. *Journal of Documentation*, 42(2): 84-113.

Bruza, P. D., Song, D. W., & Wong, K. F. (2000). Aboutness from a Commonsense Perspective. *Journal of the American Society for Information Science, 51*(12), 1090-1105.

Bruza, P. D., & Huibers, T. (1996). A study of aboutness in information retrieval. *Artificial Intelligence Review, 10*(5), 381-407.

Goodman, N. (1961). About. *Mind*, 70(277), 1-24.

Hawake, P. (2017). Theories of aboutness. *Australasian Journal of Philosophy, 2017* Nov*.,* 1-27.

Hjorland, B. (2002). Towards a theory of aboutness, subject, topicality, theme, domain, field, content … and relevance. *Journal of the American Society for Information Science and Technology, 52*(9), 774-778.

Joudrey, D. N. (2005). Building puzzles and growing pearls: A qualitative exploration of determining aboutness. Unpublished dissertation, School of Information Sciences, University of Pittsburgh. Chap. 2.2, The nature of aboutness (pp.53-69).

Mertes, K. (2017). On aboutness. *The Indexer, 35*(2), 77-78.

Wilson, P. (1968). Two kinds of power: An essay on bibliographic control. Berkeley, CA: University of California Press. Chap. 5, Subjects and the Sense of Position.

Yablo, S. (2014). *Aboutness*. Princeton, N.J.: Princeton University Press.

Žumer, M., Zeng, M. L., & Salaba, A. (2012). *FRSAD: Conceptual modeling of aboutness*. Santa Barbara, Calif.: Libraries Unlimited. Chap. 2-3, Appendix A.

**Week 7 10/23 Literary Warrant**

Rodriguez, R. D. (1984). Hulme's concept of literary warrant. *Cataloging & Classification Quarterly*, 5(1), 17-26.

Cochrane, P. (1993). Warrant for concepts in classification schemes. 4th ASIS SIG/CR Classification Research Workshop, 57-68. Retrieved from <http://journals.lib.washington.edu/index.php/acro/article/view/12611>

Barité, M. (2017). Literary warrant. *ISKO Encyclopedia of knowledge organization*. Retrieved from <http://www.isko.org/cyclo/literary_warrant>

[其他參考資料]：

Beghtol, C. (1986). Semantic validity: Concepts of warrant in bibliographic classification systems. *Library Resources & Technical Services*, 109-125.

Beghtol, C. (1995). Domain analysis, literary warrant, and consensus: The case of fiction studies. *Journal of the American Society for Information Science*, 46(1), 30-44.

Bullard, J. (2017). Warrant as a means to study classification system design. *Journal of Documentation, 73*(1), 75-90.

Kwaśnik, B. H. (2010). Semantic warrant: A pivotal concept for our field. *Knowledge Organization, 37*(2), 106-110.

Martínez-Ávila, D., & Budd, J. M. (2017). Epistemic warrant for categorizational activities and the development of controlled vocabularies. *Journal of Documentation*, 73(4), 700-715.

Svenonius, E. (2000). *The intellectual foundation of information organization*.Cambridge, Mass.: MIT Press, 2000. Chap. 8.

**Week 8 10/30 Category and Categorization**

Glushko, R. J. (Ed.). (2013). *The discipline of organizing.* Cambridge, MA: MIT Press. Chap. 6, Categorization: Describing resources classes and types.

Rosch, E. (1978). Principle of Categorization. In E. Rosch, & B. B. Lloyd (Eds.), *Cognition and Categorization* (pp. 27-48). Hillsdale, NJ: Lawrence Erlbaum Associates, Inc. Also in A. Collins, & E. E. Smith (Eds.), *Readings in Cognitive Science, a Perspective from Psychology and Artificial Intelligence* (pp. 312-322). San Mateo, California, Morgan Kaufmann Publishers. [Available online](http://originresearch.com/documents/rosch1b.htm): <http://originresearch.com/documents/rosch1b.htm>

Iyer, H. (1995). *Classificatory structure: Concepts, relations and representation.* Chap. 3 Cognition and categories.

[其他參考資料]：

Bowker, G., & Star, S. L. (1999). *Sorting Thing Out: Classification and Its Consequences*. Cambridge, MA: MIT Press. Chap. 9, Categorical work and boundary infrastructures: Enriching theories of classification.

Bryant, R. (2000). *Discovery and decision: Exploring the metaphysics and epistemology of scientific classification*. Cranbury, NJ: Associated University Presses. Chap. 5, The psychology of categorization.

Hajibayova, L. (2013). Basic-level categories: A review. *Journal of Information Science, 39*(5), 676-687.

Lakoff, G. (1987). *Women, Fire and Dangerous Things:  What Categories Reveal About the Mind.* Chicago: University of Chicago Press. [中譯本書名：*女人、火與危險事物*，桂冠出版] Chap. 1-2.

Lamberts, K., & Shanks, D. (Eds.) (1997), *Knowledge, concepts and categories*. Chap. 2 & 3.

Rosch, E. (1977). Human categorization. In N. Warren (Ed.), *Studies in cross-cultural psychology* (V. 1, pp. 1-67). London: Academic Press.

**Week 9 11/6 Facet Analysis**

Spiteri, L. (1998). A simplified model for facet analysis: Ranganathan 101. *Canadian Journal of Information and Library Science, 23*(1/2), 1–30.

Hjorland, B. (2013). Facet analysis: The logic approach to knowledge organization. *Information Processing and Management, 49*(2), 545-557.

La Barre. L. (2010). Facet analysis. *Annual Review of Information Science and Technology*, Vol.44, 243-284.

[其他參考資料]：

林雯瑤（2006）。層面分類的概念與應用。*教育資料與圖書館學，44*卷2期，153-171。

Beghtol, C. (2008). From the universe of knowledge to the universe of concepts: The structural revolution in classification for information retrieval. *Axiomathes, 18*(2), 131-144.

Broughton, V. (2006). The need for a faceted classification as the basis of all methods of information retrieval. *Aslib Proceedings, 58* (1/2), 49-72.

Broughton, V. (2009). Facet analysis as the theoretical basis of vocabulary tool construction: Fundamental Purposes in Knowledge Organization. PowerPoint Lecture presented at the ISCO UK Conference, 2009. Retrieved November 22, 2009, from <http://www.iskouk.org/sites/default/files/broughton_ISKOUK2009_presentation_0.pdf>

Denton, W. (2003a). How to make a faceted classification and put it on the Web. Retrieved from <http://www.miskatonic.org/library/facet-web-howto.html>

Denton, W. (2003b). Putting facets on the Web: An annotated bibliography. Retrieved from <https://www.miskatonic.org/library/facet-biblio.html>

Ellis, D., & Vasconcelos, A. (2000). The relevance of facet analysis for world wide web subject organization and searching. *Journal of Internet Cataloging,.2*(3-4), 96-114.

Foskett, D.J. (2003). Facet analysis. In: M. Drake (Ed.), *Encyclopedia of Library and Information Science* (pp. 1063-1067). New York: Marcel Dekker.

Gnoli, C. (2008). Categories and facets in integrative levels. *Axiomathes,18*(2), 177-192.

Kwaśnik, B. H., & Rubin, V. L. (2003). Stretching conceptual structures in classifications across languages and cultures, *Cataloging & Classification Quarterly*, 37(1/2), 33-47.

Mazzocchi, F., & Gnoli, C. (2010). S.R. Ranganathan's PMEST categories: Analyzing their philosophical background and cognitive function. *Information studies, 16*(3), 133-147.

Netto, C. M., Borém, G. Â., Lima, O., & Júnior Ivo, P. (2016). An application of facet analysis theory and concept maps for faceted search in a domain ontology: Preliminary studies. *Knowledge Organization, 43*(4), 254-264.

Vickery, B.C. Faceted Classification: A Guide to Construction and Use of Special Schemes. London: Aslib, 1960.

**Week 10 11/13 Logic and Structure**

Frické, M. (2012). Logic and the organization of information. New York: Springer. Chap.2, Some useful ideas and background theories.

Beghtol, C. (2001). Relationships in classificatory structure and meaning. In C. A. Bean & R. Green (Eds.), *Relationships in the organization of knowledge* (pp. 99-113). Dordrecht: Kluwer Academic Publishers.

Abbas, J. (2010). *Structures for organizing knowledge: Exploring taxonomies, ontologies, and other schemas*. New York: Neal-Schuman Publishers. Chap. 2, Historical perspectives and development of structures for organizing knowledge.

[其他參考資料]：

Glushko, R. J. (Ed.). (2013). *The discipline of organizing.* Cambridge, MA: MIT Press. Chap. 6, Categorization: Describing resources classes and types. Chap. 5, Describing relationships and structure.

Green, R. (2001). Relationships in the organization of knowledge: An overview. In C. A. Bean & R. Green (Eds), *Relationships in the organization of knowledge* (pp. 3-18). Dordrecht: Kluwer Academic Publishers.

Jouis C. (2002) Logic of relationships. In R. Green, C. A. Bean & S. H. Myaeng (Eds), *The semantics of relationships* (pp. 127-140). Dordrecht: Kluwer Academic Publishers.

Mitchell J.S. (2001). Relationships in the Dewey Decimal Classification System. In C. A. Bean & R. Green (Eds), *Relationships in the organization of knowledge* (pp. 211-226). Dordrecht: Kluwer Academic Publishers.

Niu, J. F. (2013). Hierarchical relationships in the bibliographic universe. *Cataloging & Classification Quarterly, 51*(5), 473-490.

Olson, H. A. (1999). Exclusivity, teleology and hierarchy: Our Aristotelean legacy. *Knowledge Organization 26*(2),65-73.

**Week 11 11/20 E. C. Richardson & W. C. B. Sayers**

Richardson, Ernest C. (1930). *Classification: Theoretical and practical*. 3rd ed. New York: H.W. Wilson. Introduction and Lecture 1. Retrieved from <https://babel.hathitrust.org/cgi/pt?id=mdp.39015034800279;view=1up;seq=11>

Sayers, W. C. B. (1922). *An introduction to library classification* *theoretical, historical and practical* (2nd ed. rev.). New York: H. W. Wilson. Chap. 2-4. Retrieved from <https://ia802702.us.archive.org/20/items/introductiontoli00sayeuoft/introductiontoli00sayeuoft_bw.pdf>

[其他參考資料]：

Sayers, W. C. B. (1975). *Sayers’ Manual of Classification for Librarians*, 5th ed. London : Deutsch. (Revised by A. Maltby) Section 1 & 2.

Hanson, J. C. M. (1931). Classification, theoretical and practical. Together with an appendix containing an essay toward a bibliographical history of systems of classification. *The Library Quarterly*, *1*(2), 216-218.

Bliss, H. E. (1936). An introduction to Library classification, theoretical, historical and practical, with readings, exercises and examination papers. *The Library Quarterly*, *6*(1), 88-92.

**Week 12 11/27 H. E. Bliss**

Bliss, H. E. (1933). *The organization of knowledge in libraries and the subject-approach to books*. New York: H. W. Wilson. Chap. 1-3.

[其他參考資料]：

Aitchison, J. (1986). A classification as a source for a thesaurus: The Bibliographic Classification of H. E. Bliss as a source of thesaurus terms and structure. *Journal of Documentation*, *42*(3), 160-81.

Attar. K. E. (2002). The practice of Bliss. *Cataloging & Classification Quarterly, 34*(4), 47-65.

Broughton, V. (2001). Faceted classification as a basis for knowledge organization in a digital environment: The Bliss Bibliographic Classification as a model for vocabulary management and the creation of multidimensional knowledge structures. *New Review of Hypermedia and Multimedia, 7*(1), 67-102.

Broughton, V. (2008). Henry Evelyn Bliss: The other immortal, or a prophet without honour? *Journal of Librarianship and Information Science, 40*(1), 45-58.

Maltby, A., & Gill, L. (1979). The case for Bliss: Modern classification practice and principles in the context of the bibliographic classification. London: C. Bingley.

Thomas, A. R. (1998). Bibliographical classification: The ideas and achievements of Henry E. Bliss. *Cataloging & Classification Quarterly, 25*(1), 51-102.

**Week 13 12/4 S. R. Ranganathan**

Kumar, K. (1988). *Theory of classification* (4th ed.). New Delhi: Vikas House. Chap. 6, 7, 8, 9.

[其他參考資料]：

Ranganathan, S. R. (1967). *Prolegomena to Library Classification.* 3rd. ed. New York: Asia Publishing House. Part D, E, F, G, H, J, K.

Richmond, P. A. (1972). Reading list in classification theory. *Library Resources and Technical Services, 16*(3), 364-382.

Beghtol, C. (2010). Classification theory. In M. J. Bates & M. N. Maack (Eds.), *Encyclopedia of library and information sciences* (3rd ed.) (pp. 1045-1060). Boca Raton, FL: CRC Press.

Dahlberg, I. (1976). Classification theory, yesterday and today. *International Classification, 3*(2), 85-90.

Hjorland, B. (2008). Core classification theory: A reply to Szostak. *Journal of Documentation, 64*(3), 333-342.

Neelameghan, A. (2003). Classification, theory of. In M. A. Drake (Ed.), *Encyclopedia of Library and Information Science* (2nd ed.) (1:1, pp. 546-560). New York: Marcel Dekker.

Richmond, P. A. (1990). General Theory of Classification. In B. G. Bengtson, & J. S. Hill (Eds.), *Classification of Library Materials: Current and Future Potential for Providing Access* (pp. 16-26). New York: Neal-Schuman.

**Week 14 12/11 Interdisciplinary and Multidisciplinary**

Beghtol, C. (1998). Knowledge domains: Multidisciplinary and bibliographic classification systems. *Knowledge Organization, 25*(1/2): 1-12.

Szostak, R. (2008). Classification, interdisciplianity, and the study of science. *Journal of Documentation, 64*(3), 319-332.

Szostak, R., Gnoli, C., & López-Huertas, M. (2016). *Interdisciplinary knowledge organization*. Cham: Springer International Publishing. Chap. 3, The nature of knowledge organization system to serve interdisciplianity.

[其他參考資料]：

Beghtol, C. (1995). “Facets” as interdisciplinary undiscovered public knowledge. *Journal of Documentation, 51*(3), 194-224.

Szostak, R., Gnoli, C., & López-Huertas, M. (2016). *Interdisciplinary knowledge organization*. Cham: Springer International Publishing.

**Week 15 12/18 PostModern / Cross-Boundary / Interoperability**

Mai, J.-E. (2011). The modernity of classification. *Journal of Documentation, 67*(4), 710-730.

Smiraglia, R. P. (2009). Bibliocentrism, cultural warrant, and the ethics of resource description: A case study. *Cataloging & Classification Quarterly, 47*(7), 671-686.

Kwasnik, B. H., & Rubin, V. L. (2003). Stretching conceptual structures in classifications across languages and cultures, *Cataloging & Classification Quarterly*, 37(1/2), 33-47.

[其他參考資料]：

Satija, M. P., & Martínez-Ávila, D. (2017). Mapping of the universe of knowledge in different classification schemes. *International Journal of Knowledge Content Development and Technology, 7*(2), 85-105.

Smiraglia, R. P., & Lee, Hur-Li. (Eds.) (2012). *Cultural frames of knowledge.* Wurzburg: Ergon-Verlag. Conclusions: Toward multicultural domain plurality in knowledge organization.

Zeng, M. L., & Chan, L. M. (2009). Semantic interoperability. In In M. J. Bates & M. N. Maack (Eds.), *Encyclopedia of Library and Information Sciences* (3rd ed.) (pp. 4645-4662). New York: Taylor and Francis.

**Week 16 12/25 Cultural Bias / Ethics Issues / Globalization vs. Localization**

Olson, H. A., & Schlege, R. (2001). Standardization, objectivity, and user Focus: A meta-analysis of subject access critiques. *Cataloging and Classification Quarterly, 32*(2), 61-80.

Beghtol, C. (2002). A proposed ethical warrant for global knowledge representation and organization systems. *Journal of Documentation, 58*(5), 507-532.

Canncasciato, D. (2011). Ethical considerations in classification practice: A case study using creationism and intelligent design. *Cataloging & Classification Quarterly, 49*(5), 408-427.

[其他參考資料]：

Bair, S. (2005). Toward a code of ethics for cataloging. *Technical Services Quarterly, 23*(1), 13-26.

Beghtol, C. (2008). Professional values and ethics in knowledge organization and cataloging. *Journal of Information Ethics, 17*(1), 12-19.

Beghtol, C. (2005). Ethical decision-making for knowledge representation and organization systems for global use. *Journal of the American Society for Information Science and Technology*, 56(9), 903-912.

Diao, J., & Cao, H. (2016). Chronology in cataloging Chinese archaeological reports: An investigation of cultural bias in the Library of Congress Classification. *Cataloging & Classification Quarterly, 54*(4), 244-262.

Ferris, A. M. (2008). The ethics and integrity of cataloging. *Journal of Library Administration, 47*(3/4), 173-190.

Fox, M. J., & Reece, A. (2012). Which ethics? whose morality?: An analysis of ethical standards for information organization. Knowledge Organization, 39(5), 377-383.

Moulaison Sandy, H., & Bossaller, J. (2017). Providing cognitively just subject access to indigenous knowledge through knowledge organization systems. *Cataloging & Classification Quarterly, 55*(3), 129-152.

Naun, C. C. (2006). Objectivity and subject access in the print library. *Cataloging & Classification Quarterly*, 43(2), 83-95.

Olson, H. A. (2002). *The Power to Name: Locating the Limits of Subject Representation in Libraries*. Boston: Kluwer Academic Publishers.

Ragaller, I., & Rafferty, P. (2012). Biases in the classification of Welsh art material. *Aslib Proceedings, 64*(3), 262-273.

Ridi, R. (2013). Ethical values for knowledge organization. *Knowledge Organization, 40*(3), 187-196.

Smiraglia, R. (2014a). Cultural synergy in information institutions. New York: Springer. Chap. 7, Knowledge organization: Bibliography as synergic catalyst

**Week 17 1/1 開國紀念日 （放假）**

**Week 18 1/8 Class Presentation [報告繳交期限：1/14中午以前]**