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Art & Science of Searching

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Instructor syllabus – DRAFT 8/27/13

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Pharmacy 770

Session One – Identifying Information & Selecting the Right Resource (part 1)

Upon completion, the student will be able to:

Objective 1 – Differentiate between background and foreground questions
Objective 2 – Describe the types and functions of commonly available drug resources

1. Introductions and library elective goals (10 min) include assignment rubric
2. Overview of types of questions  Background/Foreground (10 min) (remind them e–books)
3. Resources for specific questions / (45 min)
   a. Drug Information Resources *hands–on scenario & discussion
      i. *Drug Portal – NLM (loperamide)
         1. ToxNet (fact sheets for databases including LactMed)
      ii. *Lexicomp
      iii. *Natural Standard
   b. MedCalc 3000 (acetaminophen) also Convervters (Benzo), mathcalc, specialties > Pharmacy (demo)
   c. National Guideline Clearinghouse (Statins – advanced search = & heart disease (demo)

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Created by: Sarah Morley & Ingrid Hendrix  University of New MexicoHealth Sciences Library & Informatics Center  Revised 8/27/13/2013
4. Patient Education (5 min)
   a. MedlinePlus (multimedia, languages, drug info)
   b. Other patient education resources – Access Medicine, VisualDX,
      UNM Hospital Health Information/Education > Health
      Sheets
5. Micromedex (hands–on – 20 min; discussion – 20 min) (Poison Control
   computer classroom)

Session Two – Identifying Information & Selecting the Right Resource (part 2)

Upon completion, the student will be able to:

Objective 1 – Compare and contrast targeted resources
Objective 2 – Define and describe essential elements of web sites
Objective 3 – Construct a clinical question using the PICO method

1. Overview of targeted resources (*Hands–on activity or homework
   assignment prior session, discussion during session 2) (25 min total
   20–30 min –hands–on; 20 minutes report) Mobile devices
   a. *DynaMed M
   b. *PubMed Health
   c. *UpToDate
   d. *VisualDX
   e. Access Medicine M (Drugs, DxTests, Quick DX & RX) also Q&A
      practice tests / Access Pharmacy M (not full fledged, basics
      only) (Demo)

2. Evaluating web resources (handout)

3. PICO practice – overview of elements; individuals develop Q; group
   critique (25 min)

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Center Revised 8/27/13/2013
4. Cochrane (5 min)

5. Assignment – set up RefWorks account on campus

6. Muddiest Point

Session Three – Forming a Clinical Question and Searching the Primary Literature

Upon completion, the student will be able to:

Objective 1 – Demonstrate the ability to search the primary literature (Hands on activity)

Objective 2 – Create and submit search strategies using PubMed

Objective 3 – Organize citations for future use

Objective 4 – Create a bibliography using RefWorks (Hands-on activity)

1. Formulate a research/clinical question from PICO (Hands-on activity) (10 minutes)

2. PubMed (50 min) (15 minutes hands-on; 35 minutes is class participation and Instructors demo search techniques and advanced features) Search Strategy save/print
   a. MyNCBI – Handout

3. IPA (10 min)

4. Overview RefWorks features (5 min)

5. Search PubMed and import references to RefWorks (Hands-on Activity) (30 min)

6. Create a bibliography using RefWorks (Hands-on activity) (10 min) AMA

7. Post-Test