AD CITY UNIVERSITY
Faculty of Arts and Education
Department of Library and Information Science
SECOND SEMESTER 2018/2019 ACADEMIC SESSION

COURSE DETAILS
Course Code: LIS 314
Course Title: Science and Technology Information Sources and Services
No. of Units: 2
Status: Elective

LECTURER(S) DETAILS
Name: Mrs. R.A. Olurayi
Qualification: BLIS, MLIS
Phone: 08033448720
Email: ronkeolurayi@yahoo.co.uk
Area of Specialization: Information Resources Management

COURSE DESCRIPTION
This course will expose students to science and technology reference sources, Science and Technology information systems, products and services. Reference service operations for professionals in the fields of Science and Technology will also be examined.

COURSE OBJECTIVES
The objectives for this course are to enable students know:

1. The disciplines and branches of science and technology and their peculiar information needs;
2. The bibliographic organization of information resources, reference tools used in science and technology
3. Print and electronic reference source available for their use;
4. Demonstrate the use of specific Science databases, eg AGORA, HINARI, etc.
5. How to develop interpersonal communication skills in order to increase their effectiveness in responding to patron's information needs.

ASSESMENT

Class Attendance   10marks
Test(s) and Assignments   30marks
Final Examination   60 marks

LECTURE PLAN

Week	Topic
Week 1	Overview of the course
Week 2	Courses under the basic and applied sciences
Week 3	Generation, Organization& Patterns of bibliographic control of the basic and applied sciences
Week 4	Bibliographic organization, reference tools and major databases
Week 5	Reference function of the library including print and electronic reference sources
Week 6	Introduction to science databases
Week 7	Development of interpersonal communication skills to increase effectiveness in response to patron's information needs, effective search strategies for all types of reference
Week 8	Development of interpersonal communication skills to increase effectiveness in response to patron's information needs, effective search strategies for all types of reference (contd.)
Week 9	Information search strategy
Week 10	Techniques used to evaluate science and technology information
Week 11	Techniques used to evaluate science and technology information contd.
Week 12	Agencies that promote science and technology
Week 13	Agencies that promote science and technology Contd.
Week 14	Revision

READING LIST

1. Meyer, H.W.J. (2000). Provision of Information and Reference Services.
2. Galhotra, M. K. (2008). Information Technology in Library and Information Services
3. Anyanwu, E.U. (2008). Fundamentals of Library and Information Science.
4. Seiler, W.J &Beall, M. (2005). Communication Making Connections.
5. Berko, R.M.; Wolvin, A.D. &Wolvin, D.R. (2007). Communicating: A social and career focus.
6. Adler, R.B. & Rodman, G. (2003). Understanding Human Communication.

TUTORIAL QUESTIONS

1a. What is search strategy?

b. What are the advantages of planning a search strategy?

c. What is query formulation? Itemize the stages involved in query formulation.

d. What must a researcher keep in mind when structuring a query?

2a. Define Science and Technology.

b. State the steps a scientist or technologist would take in solving a problem.

c. What is the relationship between a scientist and a technologist?

3a. What is information and what is its importance to scientists and technologist?

b. Discuss the factors that characterize the information needs of scientists and technologists.

c. Mention and discuss three (3) information sources peculiar to scientists and technologists.

4a. Define bibliography.

b. Explain bibliographic control and discuss the functions of bibliographic control.

5a. What do you understand by the term scientific community?

b. What characterizes scientific community?

6. Define database and give examples of five (5) databases used in basic and applied sciences

7a. What do you understand by the term communication and what are the steps involved in effective communication?

b. Mention the characteristics of communication.

8a. Outline the benefits of interpersonal communication.

b. Mention the components of communication.

9a. Discuss the criteria involved in evaluating websites.

b. Describe two (2) evaluation tools that can be used to evaluate an information source.

10. Information found on the web need to be evaluated. Discuss

11a. What are reference sources? Discuss

b. Reference sources are categorized into three; mention them with four (4) examples each.

c. Discuss the criteria you would use in evaluating general reference sources.

12a. Write the full meaning of the underlisted agencies:

i.   CRIN   ii. IITA   iii. NAFDAC   iv. FIIRO   v. COREN

b. Itemize the roles and objectives of Raw Materials Research and Development Council (RMRDC).