SYLLABUS

DATE OF LAST REVIEW: 02/2013
CIP CODE: 15.1201
SEMESTER: Departmental Syllabus
COURSE TITLE: Selecting Data Warehousing Tools
COURSE NUMBER: CIST-0206
CREDIT HOURS: 3
INSTRUCTOR: Departmental Syllabus
OFFICE LOCATION: Departmental Syllabus
OFFICE HOURS: Departmental Syllabus
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Electronically communicating with our students.

PREREQUISITE(S): CIST-0154 (Principles of Data Warehousing)

REQUIRED TEXT(S).
Please check with the KCKCC bookstore, http://www.kckccbookstore.com/, for the required
texts for your particular class.

COURSE DESCRIPTION:
This overview course will provide the student with an understanding of how important selecting
the right data warehousing tool is. Topics discussed will include access, query, reporting,
cleansing and analysis tools available for purchase from various software vendors. This course
will further address the strengths and weaknesses of the various tools available.

METHOD OF INSTRUCTION:
A variety of instructional methods may be used depending on content area. These include but
are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and
demonstrations, projects and presentations, speeches, debates, and panels, conferencing,
performances, and learning experiences outside the classroom. Methodology will be selected to
best meet student needs.

COURSE OUTLINE:
Course content may vary, but will generally include the following:

I. Cleansing Tools, Extraction, Transformation, and Tools Overview
   A. Evaluating Cleansing Tools
   B. Evaluating Extraction Tools
   C. Evaluating Transformation Tools

II. Cleansing Tools
   A. Integrity Data Reengineering (Vality Technology)
   B. Enterprise Software System (Carleton Corp.)
   C. Trillium Software System (Harte-Hanks Data Technologies)
   D. Innovative Directory, (Innovative Systems)
   E. NADIS (Group 1)
   F. Migration Architect (DB Star)
   G. Id Centric (Postalsoft)
   H. DfPower Series (DataFlux Corp)

III. Extraction and Transformation Tools
   A. Data Stage (Ardent Software)
   B. Tapestry (D2K)
   C. Oracle Open Gateways (Oracle)
   D. Sagent Data Mart Solution (Sagent)
   E. Connect:Direct (Sterling)
   F. Prism Warehouse Executive (Prism)

EXPECTED LEARNER OUTCOMES:

A. Upon completion of the course the student will be able to demonstrate knowledge of cleansing, extraction, and transformation tools as it relates to a data warehouse.
B. Upon completion of the course the student will be able to demonstrate knowledge of the strengths and weaknesses of cleansing tools as it relates to a data warehouse.
C. Upon completion of the course the student will be able to demonstrate knowledge of the strengths and weaknesses of extraction and transformation tools as it relates to a data warehouse.

COURSE COMPETENCIES:

Upon completion of the course the student will be able to demonstrate knowledge of cleansing, extraction, and transformation tools as it relates to a data warehouse.

1. Upon completion of the course the student will be able to define terminology associated with cleansing tools.
2. Upon completion of the course the student will be able to define terminology associated with extraction tools.
3. Upon completion of the course the student will be able to define terminology associated with transformation tools.
4. Upon completion of the course the student will be able to identify considerations associated with the evaluation of cleansing tools.

5. Upon completion of the course the student will be able to identify considerations associated with the evaluation of extraction tools.

6. Upon completion of the course the student will be able to identify considerations associated with the evaluation of transformation tools.

7. Upon completion of the course the student will be able to identify a methodology to use when selecting cleansing, extraction, and transformation tools.

**Upon completion of the course the student will be able to demonstrate knowledge of the strengths and weaknesses of cleansing tools as it relates to a data warehouse.**

8. Upon completion of the course the student will be able to identify strengths of Integrity Data Reengineering cleansing software.

9. Upon completion of the course the student will be able to identify weaknesses of Integrity Data Reengineering cleansing software.

10. Upon completion of the course the student will be able to identify strengths of Enterprise Software System cleansing software.

11. Upon completion of the course the student will be able to identify weaknesses of Enterprise Software System cleansing software.

12. Upon completion of the course the student will be able to identify strengths of Trillium Software System cleansing software.

13. Upon completion of the course the student will be able to identify weaknesses of Trillium Software cleansing software.

14. Upon completion of the course the student will be able to identify strengths of Innovative Directory cleansing software.

15. Upon completion of the course the student will be able to identify weaknesses of Innovative Directory cleansing software.

16. Upon completion of the course the student will be able to identify strengths of NADIS cleansing software.

17. Upon completion of the course the student will be able to identify weaknesses of NADIS cleansing software.

18. Upon completion of the course the student will be able to identify strengths of Migration Architect cleansing software.

19. Upon completion of the course the student will be able to identify weaknesses of Migration Architect cleansing software.

20. Upon completion of the course the student will be able to analyze data and differentiate between various cleansing softwares and select a product that best serves an individual need.

**Upon completion of the course the student will be able to demonstrate knowledge of the strengths and weaknesses of extraction and transformation tools as it relates to a data warehouse.**

21. Upon completion of the course the student will be able to identify the strengths of Data Stage extraction and transformation software.
22. Upon completion of the course the student will be able to identify the weaknesses of Data Stage extraction and transformation software.

23. Upon completion of the course the student will be able to identify the strengths of Tapestry extraction and transformation software.

24. Upon completion of the course the student will be able to identify the weaknesses of Tapestry extraction and transformation software.

25. Upon completion of the course the student will be able to identify the strengths of Oracle Open Gateways extraction and transformation software.

26. Upon completion of the course the student will be able to identify the weaknesses of Oracle Open Gateways extraction and transformation software.

27. Upon completion of the course the student will be able to identify the strengths of Sagent Data Mart extraction and transformation software.

28. Upon completion of the course the student will be able to identify the weaknesses of Sagent Data Mart extraction and transformation software.

29. Upon completion of the course the student will be able to identify the strengths of Connect Direct extraction and transformation software.

30. Upon completion of the course the student will be able to identify the weaknesses of Connect Direct extraction and transformation software.

31. Upon completion of the course the student will be able to identify the strength of Prism extraction and transformation software.

32. Upon completion of the course the student will be able to identify the weaknesses of Prism extraction and transformation software.

33. Upon completion of the course the student will be able to analyze data and select extraction and transformation software that meets individual needs.

ASSESSMENT OF LEARNER OUTCOMES:
Assessment methods may include, but are not limited to, the following: Homework, Assignments, Quizzes, Class Participation, Chapter Tests, and Final Exam. The grading scale and the process for calculating the course grades are to be determined by the individual instructors. This information will be included in each instructor’s syllabus.

SPECIAL NOTES:
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

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be administered without regard to race, color, age, sex, religion, national origin, physical handicap, or veteran status and that such policy be made known.

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