Introduction to Databases Using MS Access

CSE 1114

Description / Conditions

Transcript Abbreviation:
DBIntroWithAccess

Course Description:
Database concepts and techniques for efficient/effective data handling, computational analysis and decision support.

Course Levels:
Undegraduate (1000-5000 level)

Designation:
Elective

General Education Course:
(N/A)

Cross-Listings:
(N/A)

Course Detail

Credit Hours (Minimum if “Range” selected):
1.50

Max Credit Hours:
1.50

Select if Repeatable:
Off
**Maximum Repeatable Credits:**
(N/A)

**Total Completions Allowed:**
(N/A)

**Allow Multiple Enrollments in Term:**
No

**Course Length:**
14 weeks (autumn or spring)
12 weeks (summer only)

**Off Campus:**
Never

**Campus Location:**
Columbus

**Instruction Modes:**
In Person (75-100% campus; 0-24% online)

**Prerequisites and Co-requisites:**
(N/A)

**Electronically Enforced:**
No

**Exclusions:**
Not open to students with credit for 1111, 1112, or 2111.

**Course Goals and Learning Objectives**

**Course Goals / Objectives:**
Be familiar with concepts of relational databases.
Be familiar with solving problems using MS Access Query tools including selection queries, sorts, aggregation, calculations, inner/outer joins, and situations with datasets containing many-to-many relationships using multiple queries.
Be familiar with using MS Access to create data tables, reports, and forms.
Be competent using macros.
Be exposed to SQL.
Be exposed to tools that facilitate lifelong learning of technology.
Check if concurrence sought:
No

**Contact Hours**

**Contact Hours:**

<table>
<thead>
<tr>
<th>Topic</th>
<th>LEC</th>
<th>REC out-of-class</th>
<th>REC in-class</th>
<th>Weekly LAB out-of-class</th>
<th>Weekly LAB in-class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relational database management systems</td>
<td>1.0</td>
<td>0.0</td>
<td>0</td>
<td>1.0</td>
<td>0</td>
</tr>
<tr>
<td>Table Design, including primary/foreign keys, and referential data integrity</td>
<td>3.0</td>
<td>0.0</td>
<td>0</td>
<td>3.0</td>
<td>0</td>
</tr>
<tr>
<td>Table Relationships (inner and outer joins)</td>
<td>3.0</td>
<td>0.0</td>
<td>0</td>
<td>3.0</td>
<td>0</td>
</tr>
<tr>
<td>Use the query tool to find/organize information</td>
<td>3.0</td>
<td>0.0</td>
<td>0</td>
<td>3.0</td>
<td>0</td>
</tr>
<tr>
<td>Access Macros</td>
<td>1.0</td>
<td>0.0</td>
<td>0</td>
<td>1.0</td>
<td>0</td>
</tr>
<tr>
<td>SQL</td>
<td>1.0</td>
<td>0.0</td>
<td>0</td>
<td>0.0</td>
<td>0</td>
</tr>
<tr>
<td>Forms and Reports</td>
<td>2.0</td>
<td>0.0</td>
<td>0</td>
<td>2.0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
<td><strong>0</strong></td>
<td><strong>0</strong></td>
<td><strong>13</strong></td>
<td><strong>0</strong></td>
</tr>
</tbody>
</table>

**Grading and Texts**

**Grading Plan:**
Letter Grade

**Course Components:**
Lecture
Lab
Grade Roster Component:
Lecture

Credit by Exam (EM):
No

Grades Breakdown:

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework Assignments</td>
<td>15%</td>
</tr>
<tr>
<td>Lab Assignments</td>
<td>25%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>20%</td>
</tr>
<tr>
<td>Class Attendance and Participation</td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
</tr>
</tbody>
</table>

Representative Textbooks and Other Course Materials:

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Textbooks and Other Course Materials Entered.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ABET Student Learning Outcomes

ABET-CAC Criterion 3 Outcomes:
(N/A)

ABET-ETEC Criterion 3 Outcomes:
(N/A)

ABET-EAC Criterion 3 Outcomes:
(N/A)

Embedded Literacies (UG courses only)

Embedded Literacies Info:
Attachments / Additional Notes or Comments

Attachments:
(N/A)

Additional Notes or Comments:
(N/A)