

**Department of Agricultural Extension & Information System**  
**Sher-e-Bangla Agricultural University**  
 Dhaka-1207, Bangladesh



<b>Course Name:</b>	<b>Agricultural Knowledge Management</b>
<b>Course Code &amp; Section No:</b>	<b>AEIS 604</b>
<b>Semester:</b>	<b>Jan-June 2015</b>

**INSTRUCTOR & DEPARTMENT INFORMATION**

<b>1. Instructor Name:</b>	Md. Mahbubul Alam, PhD
<b>2. Office Room</b>	Concerned Department
<b>3. Contact Hours:</b>	Tuesday: After Class (1 hr), Thursday: 10.30 am-11.30 am By appointment
<b>4. Phone:</b>	+88-01711973825
<b>5. Email Address:</b>	mmahbubul_22@yahoo.com
<b>6. Department:</b>	Agricultural Extension and Information System
<b>7. Links:</b>	mdmahbubulalam.weebly.com

**COURSE & SECTION INFORMATION**

<b>Class Time &amp; Location</b>	Tuesday: 10.30 am-12 am, Wednesday: 9.00 am-10.30 am
<b>Course Prerequisite(s)</b>	Nil
<b>Course Credit</b>	3:0
<b>Course Description</b>	The purpose of this course is to provide a through and informative perspective of knowledge management (KM) and its application in Agriculture. This course includes topics such as KM principle and models, technologies and systems used for KM practices, KM management and assessment, KM-based research opportunities and challenges in agriculture. This course also requires students to analyze real world cases applying their technical and problem solving skills.
<b>Students Learning Outcomes</b>	At the end of the course, the students should be able to: <ul style="list-style-type: none"> <li>▪ Understand the fundamental and principle of KM and its creation, acquisition, representation, dissemination, use and re-use, management and assessment.</li> <li>▪ Explain the core concepts, methods, techniques and tools for computer support of knowledge management.</li> <li>▪ Demonstrate the ability to apply KM solutions to agricultural knowledge acquisition and dissemination.</li> <li>▪ Demonstrate the ability to use IT-based KM tools in agriculture.</li> <li>▪ Be prepared for developing theory-driven research in the field of Agricultural Knowledge Management.</li> </ul>

**LEARNING RESOURCES AND TEXTBOOK(S)**

Author	Title	Edition & Year	Publisher	ISBN
Becerra-Fernandez, I. and Sabherwal, R.	<i>Knowledge Management: Systems and Processes</i>	2010	M.E. Sharpe	
Kimiz Dalkir	<i>Knowledge Management in Theory and Practice</i>	2005	Elsevier	

**Teaching Methods:**

Extensive lectures will be given on every topic followed by real life examples. Summary of the lectures will be available through lecture modules. Students are highly encouraged to take notes carefully. The lectures will be highly interactive. Cases will be analyzed in class discussion encouraging students to participate and share their ideas regarding case problems.

<b>ASSESSMENT STRATEGY AND GRADING SCHEME</b>	
<b>Grading tool</b>	<b>Marks</b>
Midterm Exam 1+Quiz	15%
Midterm Exam 2+ Quiz	15%
Final Exam	40%
Project Writing and Presentation	15%
Class presentation	5%
Class Attendance & Participation	10%
<b>Total</b>	<b>100%</b>

**Course Contents:**

Lecture Series 1	Principle of Knowledge Management
Lecture Series 2	Knowledge Management Systems and Technologies
Lecture Series 3	Management and Assessment of Knowledge Management
Lecture Series 4	Theories of Knowledge Management
Lecture Series 5	Contemporary Issues in Agricultural Knowledge Management

**Exam Syllabus:**

Midterm Exam 1	Lecture Series 1
Midterm Exam 2	Lecture Series 2
Final Exam	Lecture Series 3, 4 & 5

**Other Resources:**

**PPT Slides Case Articles and Reference Materials:** Will provide in class.

**Course Plan:**

<b>Session 1</b>	Lecture series 1: Concepts of Knowledge Management & its significance
<b>Session 2</b>	Lecture series 1: KM Foundations: Mechanisms & Technologies
<b>Session 3</b>	Lecture series 1: KM Solutions: Processes and Systems (1)
<b>Session 4</b>	Lecture series 1: KM Solutions: Processes and Systems (2)
<b>Session 5</b>	Lecture series 1: Impacts of KM
<b>Session 6</b>	Lecture series 2: Knowledge Application Systems
<b>Session 7</b>	Lecture series 2: Knowledge Capture Systems
<b>Session 8</b>	Lecture series 2: Knowledge Sharing Systems
<b>Session 9</b>	Lecture series 2: Knowledge Discovery Systems
<b>Session 10</b>	Class Presentation 1
<b>Session 11</b>	Lecture series 3: Emergent Knowledge Management Practices
<b>Session 12</b>	Lecture series 3: Factors of Knowledge Management
<b>Session 13</b>	Lecture series 3: Assessment of Knowledge Management
<b>Session 14</b>	Class Presentation 2
<b>Session 15</b>	Lecture series 4: Models of Agricultural Knowledge Management
<b>Session 16</b>	Lecture series 4: Models of Agricultural Knowledge Management (cont'd)
<b>Session 17</b>	Class Presentation 3
<b>Session 18</b>	Lecture series 4: Theories of Knowledge Management
<b>Session 19</b>	Lecture series 4: Theories of Knowledge Management (cont'd)
<b>Session 20</b>	Lecture series 5: ICT and its significance in Agricultural Development

<b>Session 21</b>	Lecture series 5: Agricultural KM Systems in Developed and Developing Countries
<b>Session 22</b>	Lecture series 5: Challenges and Opportunities of ICT Application in Agriculture
<b>Session 23</b>	Class Presentation 4
<b>Session 24</b>	Final Review

### **Class Performance and Attendance**

Every student is expected to attend every class. However just attending the class will not earn class performance points. Students have to actively participate during discussion sessions to earn participation points. Students are also required to finish all in class assignments to earn class performance points.

### **Exams**

**Three examinations** are required. The purpose is to give the students an opportunity to demonstrate an understanding of the course material. These exams consist of quiz, short and essay type questions. The exam process and topics will be discussed throughout the classes.

### **Project Writing and Presentation**

Students will be assigned topics by the instructor to do research and to develop a project using the lessons learned in the course. A 3 to 4 page paper will be written based on their research done for this project. Students will be presenting their research in class on due dates. A detail instruction will be provided during the 3<sup>rd</sup> week of class.

### **Exam Formalities**

Students will be notified about the exam date in advance and points break down. It could be straight short and broad questions or it can be of multiple-choice questions or a combination of both. Instructor will make those decisions in duly fashion and notify the students. Students must take the exam in due date. There is NO opportunity of makeup exam except for very serious causes for which student has to provide solid proof. In addition, special permission will be required from the Chairman of concerned department verifying the cause of makeup exam.

### **Due date Policy:**

Every individual assignment, report, term paper, etc. are due on the exact due date. Failure to meet deadline will cause you to lose significant points.

### **Grading Scale:**

SAU standard grading scale will be followed.

### **Classroom Rules of Conduct:**

Cell phones must be switched off or in silent mode.

Cell phones will not be allowed during exam.

Laptops are allowed if situation requires.

Show respect to your course instructor and to your peers.

Do not miss deadlines. All your hard works could mean nothing if you are not serious about due dates.

Cheating in any form will result in a "Fail" grade.

Be aware of plagiarism.

### **Good luck!!**

- The instructor reserves the right to change the above outline at his discretion.
- Course reading materials will be augmented by articles from journals and other materials available on-line.