UNESCO-UNITWIN
OCW/OER INITIATIVE
HANDONG GLOBAL UNIVERSITY

[A-3]COURSE SYLLABUS

1. Course Description (Approximately 100 words)

Prepared under the program "Multidisciplinary Farm Performance Evaluation and Business Planning".
- have a knowledge about the theoretical and legal bases of establishment and management of diversified farming, foreign practical experience, new and creative approaches to business, ways to stimulate entrepreneurship and entrepreneurship;
- Evaluation of the size, organizational structure and specialization of farms.
- Assessment of land use and agricultural intensification;
- Assessment of farm property and use;
- Evaluation of the use and remuneration of labor resources;
- Evaluation of crop production;
- Evaluation of efficiency and profitability of the product;

2. Course Goals and Objectives (Approximately 100 words)

Due to a number of factors inherent in the sectoral nature of agriculture, the ability of enterprises in this sector to operate effectively in a competitive market environment is limited. From this point of view, the successful operation of agricultural enterprises is largely dependent on the enterprise planning system, ie business plans, based on accurate calculations and foreseeing the future. It is important to note that businesses cannot operate sustainably in a market economy without well-prepared business plans. After all, in a highly competitive environment, a business plan will determine how the enterprise should operate in the future, its business management and long-term strategy, financial sustainability and investment performance.

3. Textbook (Title, Author, Publisher, Year of Publication, etc.)

1. The theory and practice of investment management / Frank J. Fabozzi, Harry M. Markowitz, editors.—2nd ed. Copyright © 2011 by John Wiley & Sons, Inc. All rights reserved. Printed in the United States of America.
2. ɹ tsu{Ɔtɑtsɔ ɹ .ʈ . R dɑ̀ɲ j frɲsɔ{ʊɲ{ɔ{: ʊ ʊɲ B dɑ̀{ʔ H dɑ̀ʷ ɔlɔ.tsɔ. – 2-ɲ j ɔ{LH.-ʉ ɿ B.: ɿ ɔ{lsɲ jtɔ, 2008. – 384 fɲ R dɔ- (ʉ ɲ j tɑɔ{ʷ “ʊ ʊɲ B dɑ̀{ʔ H dɑ̀ʷ ɔlɔ.tsɔ”).
3. R dɑ̀ɲsɔ dɑ̀ɲsɔ ′ .′ . R dɑ̀ɲ j frɲsɔ{ʊɲ{ʷ dɑ̀ʔɔtɔ dɑ̀{ lsɔ⊙ʰ ʔɔ{ɔ dɔ.ʷ lsɔ{ʰ ɔ⊙ dɑ̀ɲsɔ dɔ{ʷ dɑ̀ʔ⊙ʰ lsɔ{tɑɔ{ʰ . œ ʸ tɔ γ^dɔ dɑ̀ʔ⊙ dɑ̀ɲ⊙ –ʊ tsʰ ʔɔ j dɑ̀s, Iqtisod-moliya. 2010. – 164 B.
4. ɾ ^tɑ⊙ɲ j ɔ ɸ.ʉ . ɔ⊙ B tsʰ γ⊙ dɑ̀ʔɔtɔ. R dɑ̀ɲ j frɲsɔ{ʊɲ{ʷ dɑ̀s ʔ ɔ{″⊙ dɑ̀ʔɔtɔ{ lsɔ⊙″ dɔ{ dɔ{. œ ʸ tɔ γ^dɔ dɑ̀ʔ⊙ dɑ̀ɲ⊙ – ʊ.:

4. Reference

1. ɸ B H lɔ⊙ fɲ{γ tɔ ɸ.ɸ., ʊ^″lsɔ⊙ɲ j ɔ⊙ʉ .ɿ . ɸ ɑtɑ fɲ⊙ dɑ̀s⊙ lsɔ dɑ̀⊙ ɿ dɑ̀ʔ⊙ fɲ{ ʔ tsɑ⊂ tsɔ ʔ⊙ dɑ̀ʔ⊙ tɑɔ{ H ⊙ ɔ{ dɑ̀ɲ j frɲsɔ{ʊɲ{ʷ dɑ̀ʔ⊙ʰ ɔ⊙ dɑ̀s ʔ ɔ{″⊙ dɑ̀ʔ⊙ lsɔ⊙″ dɔ{ dɔ{. œ ʸ tɔ ʔ^dɔ dɑ̀ʔ⊙ dɑ̀ɲ⊙.-ʊ.: 2009.-187 B.
2. Rʰ dɑ̀ʔ⊙ dɑ̀ɲ j H tɔ ɸ.ʔ , Ɔ tsfɲ{ dɑ̀ɲsɔ. ʃ .ʉ , ɾ lɔ dɑ̀ɲ⊙ ɲ j ɔ Ɔ.M. ʃ tsʔ ɔ{″⊙ lsɔ⊙″ dɔ{ dɔ{.
œ L B ɲ j ʔ ɔ{ fɲ lsɔ dɑ̀ʸ L lɔ ʊ ɔ{ dɑ̀ʔ⊙ lɔ ʔ ʰ dɑ̀ʔ⊙ fɲ{. ɸ H ⊙ B ɔ{ʸ lsɔ ɿ ⊙ dɑ̀ɲ⊙ tɑɔ dɑ̀ʔ⊙ fɲ{ dɑ̀ʔ⊙ʰ tɑɔ{ʸ lsɔ{.-ʊ.: ʊ ɾ R ʊ. 2004. -159 fɲ
3. ɾ ^tɑ⊙ɲ j ɔ ɸ.ʉ . ɔ⊙ B tsʰ γ⊙ dɑ̀ʔ⊙ tɑ. R dɑ̀ɲ j frɲsɔ{ʊɲ{ʷ dɑ̀s ʔ ɔ{″⊙ dɑ̀ʔ⊙ tɑɔ{ lsɔ⊙″ dɔ{ dɔ{. œ ʸ tɔ γ^dɔ dɑ̀ʔ⊙ dɑ̀ɲ⊙ –ʊ.:
ʔ ⊙ tɑγ. 2003.
4. ʉ ⊙ dɑ̀ɲ⊙ tsɔ ɿ .ɸ , ʈ lɔ fɲ lsɔ⊙ dɑ̀ɲsɔ ⊙ R .ɿ . ʃ tsʔ ɔ{″⊙ dɑ̀ʔ⊙ lsɔ⊙″ dɔ{ dɔ{ʷ ʷ ⊙ dɑ̀ʔ{ H ⊙ dɑ̀ʔ⊙ dɑ̀ɲ⊙ dɔ{ʸ lsɔ H ⊙ dɑ̀ʔ fɲ dɑ̀ʔ⊙ tɑɔ{ lɔ ʊ ʔ dɔ lɔ fɲ dɑ̀s ʔ ɔ{ʔ γ^dɔ dɑ̀ʔ⊙ dɑ̀ɲ⊙ ʊ tsʰ ʔɔ j dɑ̀s 2008. 63 B.
5. ɿ ɔ{lsɔ⊙ dɑ̀ʔ .ɾ ɿ ., ɾ ɿ tsɔ dɑ̀s ʃ .ɾ . ʃ fɲ dɑ̀ɲsɔʳ ɔ{ dɑ̀ɲ j frɲsɔ{ʊɲ{ʷ dɑ̀ʔ⊙, ʃ .: ɾ j dɑ̀s, 2007.

5. Course Requirements and Grades

Course prerequisites:
Students should have the knowledge of "Higher mathematics", "Resistance of materials", " Theoretical mechanics", and "Drawing geometry".
Grading System:
Homework 15%
Design Project 15%
Mid-term Exams 35%
Final Comprehensive Examination 35%
Total 100%
5=86-100%
4=71-85%

6. Course Calendar

Week	Main Content
1	Introduction to Mechanical Engineering Design, Design process, Design considerations, Standards, Factor of safety, Stress and strain, Mechanical properties, Tensile test, Hardness test, Impact test, Fatigue test, Creep test, Stress-strain relationship, Hooke's law, Poisson's ratio, Shear modulus, Bulk modulus, Elastic constants, Thermal stresses, Thermal strain, Thermal expansion, Thermal stress, Thermal strain, Thermal expansion, Thermal stress, Thermal strain, Thermal expansion, Thermal stress