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**Department of plant protection**

**College of Agriculture**

**University of Salahaddin**

**Subject: Agricultural Extension**

**Course Book: Year 2**

**Lecturer's name: pirot jawdat bazzaz**

**Academic Year: 2022-2023 (spring Semester)**

**Course Book**

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| **1. Course name** | **Agricultural Extension - practice**  |
| **2. Lecturer in charge** | **Dlger Salih Mahmood** |
| **3. Department/ College** | **Field Crops / Agriculture** |
| **4. Contact** | **e-mail:** **pndengineer2004@gmail.com****Tel: (optional): 07504617975** |
| **5. Time (in hours) per week**  | **Practical: 3**  |
| **6. Office hours** | **8** |
| **7. Course code** |  |
| **8. Teacher's academic profile**  | Date of Birth**:** 1 aug 1974* Place of Birth**:** kirkuk
* Nationality**:** Iraqi
* Marital status**:** married
* Sex**:** male

**Education:** * **B.Sc:** HOTICULTURE / College of Agriculture UNIVERSITY OF MOUSIL ( 1995) / Iraq.
* **M.Sc:** Department of Agribusiness and Rural Development (ARD) / Extension Methods/ College of Agriculture sciences (2016)/ University of sulaimani/ Kurdistan Region/ Iraq.
* I start working as a teacher in University of Salahaddin/college of Agriculture/ PLANT PRODUCTION department from 1 Nov. 2010
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| **9. Keywords** |  |
| **10. Course overview:** Extension is a service or system which assists farmers through educational means to improve their farming methods and techniques; increase production and incomes; and improve their living standards Extension is an on-going process of getting useful information to the people (Communication) and then assisting them to acquire necessary skills and attitudes for effectively using the information and technologiesExtension therefore involves working with rural people through out-of-school education along lines of their current interests and needs to increase farm production and incomes and to improve their living standards. Education is a lifelong process of acquiring knowledge, skills and attitudes to improve performance. There are three types of education: formal education offered in schools, colleges and universities; non-formal education offered through out-of-school means; and informal education which occurs intuitively in our everyday life. Extension is non-formal education with teachers/ trainers; known target groups/ learners; no fixed curriculum; no examinations/ certificates; and no fixed classrooms. However, although the definition of extension as “education” is widely accepted, extension workers often do more than teaching farmers. |
| **11. Course objective:**To introduce students to what is the agricultural extension science as the key to the development of agriculture as general, and teaching them the most important principles, philosophy and goals of Agricultural extension Science. How to educate them as a successful agricultural extension agent for the future to help farm families acquire new knowledge and skills along their current needs and interests in order to increase farm production and improve household incomes and levels of living to participate in raising the level of agriculture also improving the quality of agricultural productions, increasing its quantity to achieve food security. |
| **12. Student's obligation** The course aims to provide an introduction about agricultural extension process, based on the up to date information and new sources. |
| **13. Forms of teaching****Teaching Methods** 1. Lecture 2. Self‐study **Teaching Media** 1. PowerPoint presentations 2. Texts and teaching materials  |
| **14. Assessment scheme** We will start most class periods with a short reviewing the main subjects and the information that presented in the most recent lectures. This process will be given during the first 5 to 7 minutes of the class period.Exams will consist of a variety of questions, including definition, matching, and reasons for, figures if we have and comparison. **Note:** Number of exams and lectures for each exam did not specify. During the course the students are divided by groups, every lecture one of this groups will discuss the lecture subjects with teacher to other students.  |
| **15. Student learning outcome:** Students will learn new information on the extension work, how to deal with the rural people, how to help them to solve their problems and how to work as a team. Also how to planning for work and the best implementation of the plan in the reality.  |
| **16. Course Reading List and References‌:**1. Abdel Gawad, S. A., Mohammed, A. A. & Amira, A. E. (2003) "A study of level of using extension methods that used and its relative importance by the extension agents in Kalubia governorate" Faculty of Agriculture at Moshtohor, Zagazig University, Benha Branch. (Arabic)
2. Al- Ajelli, S. A. (2014). Lectures of Agricultural Communication, Masters Students. Agribusiness and Rural Development department, Faculty of Agricultural Sciences, University of Sulaimani.
3. Al- khafagi, A. A. & Phaisal, M. S. (1990). Agricultural extension and developments ways of the Libyan Republic. Omar Mukhtar University Publications, Omer Mukhtar University, Libya. (Arabic)
4. Al- Omer, Q., Ibrahim, A. & Samir, N. (2011- 2012). Agriculture Extension. Manshurat Al-Dimashq University, Al-Dimashq University, Syria. (Arabic)
5. Al- Remawi, A. S., Hassan, J. H. & Khaldoun, A. A. (1996). Introduction to Agricultural Extension. Jordan University. (Arabic)
6. Al- Samarrai, A. A. & Adnan, H. A. (1990). Agriculture Extension Science. College of Agriculture, Baghdad University. (Arabic)
7. Chauhan, J. (2007). Agriculture Extension Education Communication in Agriculture. R. B. S. College, Bichpuri.
8. Van den Ban, A. W. & H, S.Hawkins. (1996). Agricultural Extension. Black Well Science Ltd, Second Edition, Osney Mead, Oxford.
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| **17. The Topics:** | **Lecturer's name** |
|   In this section The lecturer shall write titles of all practical topics he/she is going to give during the term. This also includes a brief description of the objectives of each topic, date and time of the lecture | Lecturer's nameex: (2 hrs) |
| **18. Practical Topics (If there is any)** |  |
| **1st week:** What is the definitions, elements and functions of Agricultural extension. **2nd week:** Rural development and Sustainable development.**3rd week:** Extension communication**,** elements of communication, levels of communication**4th week:** Communication theories, Barriers to effective communication:, Adoption and diffusion of agricultural Innovations:**5th week:** Agricultural extension methods, classification of Extension methods, individual, group and mass methods**6th week:** Agricultural extension plan, Implementation of plan,  Bison model to agricultural extension plan.**7th week:** Adoption definition, Rate of adoption, Factors affecting the speed of adoption:**8th week:** Agricultural extension organization, Organization structure of agricultural extension, Principles and characteristics of agricultural extension organization.**9th week:** The agricultural reality in Iraq problems and solutions**10th week**: The future of agricultural extension works. | Dlger Salih Mahmood (3 hrs.) |
| **19. Examinations:**Student markThere are two basic terms-The monthly term mark (15)-The final term will be (20) marks-I have special way to divide this marks, for example, (5) marks will be about sharing and having conversation in class and how much you are ready in class for each term. In addition, doing seminar**Example of Exam:****1.Define the following:** 1. Agricultural Extension 2. Communication 3. Extension Methods 4. Source **2- Differentiate between:** Participatory Agricultural Extension Non-participatory Agricultural Extension **3.****Numerate** theelements of agricultural extension process  |
| **20. Extra notes:**  |
| **21. Peer review پێداچوونه‌وه‌ی هاوه‌ڵ**  This course book has to be reviewed and signed by a peer. The peer approves the contents of your course book by writing few sentences in this section.(A peer is person who has enough knowledge about the subject you are teaching, he/she has to be a professor, assistant professor, a lecturer or an expert in the field of your subject). |