

SPANISH III 75A-FC125

Mrs. M. Adelstein, Department of Languages. 10 evening sessions, one and one half hours each beginning Thursday, October 9, 1975 at 7:30 p.m. Fee: \$20.00.

A more advanced study is made of spoken and written Spanish in this level. Conversation is stressed.

RUSSIAN I 75A-FC126

Mrs. I. J. Matthews. 10 evening sessions of 1 1/2 hours each beginning Tuesday, October 7 at 7:30 p.m. Fee: \$20.00.

This course will provide an introduction to the spoken and written word.

CULTURAL JOURNEY THROUGH SPAIN 75A-FC106

Professor Isabel Alvarez, Department of Languages. 6 sessions of 2 hours each beginning Tuesday, October 7, 1975 at 8:00 p.m. Fee: \$15.00.

This course will survey historical and cultural events that provide the background for the development of modern Spain. Through the use of slides and films, the instructor will provide a view of the history, geography, and the cultural development of each region of Spain.

While this course will emphasize the cultural and historical aspects of Spanish civilization, the lecturer will use current events, significant historical and architectural sites, and local customs to illustrate the development of Spain. It is planned that the archaeological work being conducted in Spain by the University of Guelph will also be presented.

ONTARIO AGRICULTURAL COLLEGE

APICULTURE: THE SCIENCE OF BEEKEEPING 75AG-FC89

Professor M.V. Smith, Department of Environmental Biology. 10 sessions of 2 hours each beginning Tuesday, October 7, 1975 at 8:00 p.m. Fee: \$25.00.

This course is designed to provide a basic understanding of the biology of the honey bee and its behaviour and management for honey production. The properties of honey and its processing, the recognition and control of bee diseases and pests, the pollination of agricultural crops, and the hazards of pesticides to beekeeping will also be discussed.

HORTICULTURE FOR PARKS PERSONNEL 75AG-FC90

Co-ordinated by Professor C.E. McNinch, Office of Continuing Education and the Department of Horticultural Science. One week, November 10-14. Fee: \$125.00. Maximum 40 participants.

This week long course is intended to familiarize the supervisory horticultural staff of park departments with the correct method of the care and installation of plant material and the maintenance of park areas.

The course will cover:

- Soils and soil preparation for plants
- Establishment of turf areas and irrigation
- Planting of trees, shrubs, and groundcovers
- Pruning, tree surgery, and moving large trees
- Plant material standards, herbicides, insecticides, and fungicides
- Plant materials for functional and aesthetic use
- Indoor landscaping plants and their care

BASIC HYDRAULIC PRINCIPLES 75AG-FC91

Faculty, School of Engineering. 12 evening sessions of 2 1/2 hours each beginning Monday, September 29, 1975 at 7:30 p.m. Fee: \$40.00.

A study of the principles of hydraulics including pressure, flow, and forces, the theory and operation of hydraulic components including pumps, motors, cylinders, valves, filters, and accumulators. Hydraulic systems involving series and parallel circuits, open and closed centre valving, hydrostatic transmissions, servo cylinders, power steering and brakes are covered as well as the use of formulae to calculate pressures, flow, horsepower, velocity, line sizes, and performance data, and the design of simple hydraulic systems, selection of components, and methods of testing and trouble shooting hydraulic systems.

SOIL FERTILITY AND FERTILIZER COURSE

November 17-21, 1975. Fee: \$100.00.

This five day professional development program will review some of the basic concepts of soils, soil fertility, and plant nutrition. This course will also evaluate methods for diagnosing nutrient requirements of crops, evaluating fertilizer sources, economics of fertilizer use, fertilizer distribution and marketing.

PROGRAM IN APPLIED AGRICULTURE FOR NOVICE FARMERS

Courses in applied agriculture are being offered at night in the centres indicated to meet the educational needs of many Ontario people who desire a better understanding of agriculture or who may anticipate doing some farming themselves. Courses available at the present time are: Introductory Agriculture Part I, Introductory Agriculture Part II, Beef Management, Crop Production, Soil Management, Horticultural Science, Farmstead Engineering, and Reproduction in Farm Animals.

Each course consists of a minimum of 10, two-hour sessions with farm visits being a part of some courses. All classes in Toronto will be held near the junction of Hwy. 400 and 401. Fee: \$50.00 (individual course) \$75.00 (couple/course/residence including dependents).

The program coordinator is Professor G. Hutchison, Office of Continuing Education, University of Guelph. Telephone (519) 824-4120 Ext. 3401.

INTRODUCTORY AGRICULTURE Part I

Toronto: begins Monday, September 29, 1975 75AG-FC92

Hamilton: begins Tuesday, September 30, 1975 75AG-FC93

Toronto: begins Thursday, October 2, 1975 75AG-FC94

This is an introductory course designed to acquaint the beginner with all aspects of farming without involving him in the detail at this time. Topics covered include: sources of information, how to select good soil type, cropping and livestock systems, woodlot and wildlife management, and the income tax situation.

Lectures

- Understanding soils
- The beef industry at a glance
- Where do sheep and goats farm?
- Systems in an agricultural production system
- Horses for everyone
- Ponds, waterfowl, and game birds

- A bird's eye view of field crops
- Woodlot management
- Horticultural crops for fun or profit
- Financing part-time farms and the tax angles
- Visit to a farm

INTRODUCTORY AGRICULTURE Part II

Toronto: begins Monday, September 29, 1975 75AG-FC95

Toronto: begins Tuesday, September 30, 1975 75AG-FC96

Guelph: begins Thursday, October 2, 1975 75AG-FC97

London: begins Tuesday, October 7, 1975 75AG-FC98

Hamilton: begins Thursday, October 9, 1975 75AG-FC99

Such a course is actually an extension of the original Introductory course with each evening devoted to a different subject area. However, the course is independent of the lectures taken in Part I and a person could commence a study program with this course and then return to Part I at a later date. Few topics will be selected from the following list:

Lectures

- Harvesting the sun (a pessimistic viewpoint)
- Harvesting the sun (a brighter outlook)
- Honey bees
- Organic farming
- Poultry
- Dairy farming
- Animal health
- Machinery and field work
- Goats
- Ponds and fish farming
- Capital and returns in agriculture
- The purebred and exotic beef business
- Problems of part-time farming

BEEF MANAGEMENT

Guelph: begins Monday, September 29, 1975 75AG-FC100

Toronto: begins Tuesday, September 30, 1975 75AG-FC101

This course will involve the student in a detailed study of both the economics and technical aspects of beef production. The course will be balanced between the cow-calf unit and the feeding of cattle for market. A total livestock cropping systems approach will be taken evaluating the cow-beef and their utilization under the various management systems.

Lectures

- Introductory: methods and cost of establishing a beef herd
- Breeding systems and records for beef cattle
- Nutritional requirements of the beef herd
- Summer and winter management of the beef herd
- Health problems in the breeding herd
- Purchase costs and selection of stockers and feeders
- Nutritional requirements of finishing cattle
- Health problems in finishing cattle
- Systems of finishing cattle and non-meat by-product utilization
- Marketing cattle and carcass appraisal and summary
- Beef tour