

Dairy Industry in the US and Netherlands

ANIM SCI 494
Spring Quarter, 2010
202 Animal Science Building

Course Leader: Dr. Maurice L. Eastridge (Professor)
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Credits: 1 cr hr U W 4:00 – 4:48 pm

GEC Category 4; Diversity; International Issues

GEC Learning Objectives:

International Issues courses help students become educated, productive, and principled citizens of their nation and an increasingly globalized world. Through ANIM SCI 494, in combination with ANIM SCI 697.04 (Dairy Industry Outside the US), 1) students will learn and exhibit an understanding of political, economic, cultural, physical, and social differences among the nations of the world, peoples and cultures outside the US; 2) students will be able to describe, analyze and critically evaluate the roles of categories such as race, gender, class, ethnicity, national origin and religion as they relate to international institutions, issues, cultures and citizenship; and 3) students will recognize the role of national and international diversity in shaping their own attitudes and values as global citizens.

With this course combination (ANIM SCI 494 and ANIM SCI 697.04), students will expand their understanding of the role that a food production system has in shaping societies, cultures, economics, and food consumption within the U.S. and the Netherlands. Students will maintain a travel log of their observations and impressions during tour stops visited while traveling abroad (assignment listed in ANIM SCI 697.04 syllabus). This travel log and the writing assignment from ANIM SCI 494 will be integrated to develop the final reflection paper assignment in ANIM SCI 697.04, which the instructors will evaluate to determine the degree to which students exhibit understanding of the different cultures and complex demographics that impact and mold beliefs, traditions, and production systems within and among various global regions.

Prerequisites: Open only to students accepted into Dairy Industry, Study Abroad Program and concurrently enrolled in ANIM SCI 697.04. This course is offered every other year.

Brief Description: An opportunity for students to study the culture; political, economic, and social framework; and dairy industry of another country. This course is offered in conjunction with another 4 cr hr course: ANIM SCI 697.04, Dairy Industry Outside the US.

Introduction:

The European Union countries function under a milk quota system for marketing of milk and have developed strict environmental policies. The Netherlands is rich in history for dairy farming and the manufacture of dairy products. Because of land prices and limitations on expanding dairy enterprises, many Dutch farmers have relocated to North America, including Ohio, to engage in dairy farming. Their movement into North American communities has given rise to conflicts about small versus large farms, struggles for acceptance of Dutch families within certain communities but not others, adjustments by families to the social structure in communities and the school systems, and adjustments to operating a dairy farm within a different (free market) enterprise system. These aspects will be explored within Ohio and The Netherlands.

Suggested Reading List:

- 1) Helming, J., A. Oskam, and G. Thijssen. 1993. A micro-economic analysis of dairy farming in the Netherlands. *European Review of Agricultural Economics* 20:343-363.
- 2) Van Asseldonk, M.A.P.M., R.B.M. Huirne, A.A. Dijkhuizen, M.A. Tomaszewski, and A.G.F. Harbers. 1998. Effects of information technology on dairy farms in The Netherlands: An empirical analysis of milk production records. *Journal of Dairy Science* 81:2752-2759.
- 3) Van Bruchem, J., H. Schiere, H. van Keulen. 1999. Dairy farming in the Netherlands in transition towards more efficient nutrient use. *Livestock Production Science* 61:145-153.
- 4) Van Horne, P., and H. Prins. 2002. Development of dairy farming in the Netherlands in the period 1960-2002. Agricultural Economics Research Institute, The Hague, Report 2.02.07, ISBN 90-5242-729-1, http://www.lei.dlo.nl/publicaties/PDF/2002/2_xxx/2_02_07.pdf#search=%22dairy%20ofarming%20in%20the%20netherlands%22
- 5) Walstra, P. 1992. Payment of milk according to protein content in The Netherlands. *Journal of Dairy Science* 75:3228-3229.
- 6) Dutch Dairy Board, www.produivel.nl
- 7) Netherlands Milk Control Station, www.mcs-nederland.nl

Basis for grade:

- 1) Attendance is required in the Spring Quarter course, with 5 points provided for each week attended.
- 2) Students will be expected to bring media releases relative to the course content to class for at least three different weeks @ 5 points each.
- 3) A pop quiz (10 points) on an assigned reading will be administered sometime during the quarter.
- 4) One written report is required. The report must include a general overview of the country and the dairy industry and a detailed section on a specific aspect of the dairy industry (list of topics for selection will include: governmental and environmental regulations, trade policies, cheese industry, cultural differences between US and the Netherlands, farm enterprise analysis, and role of dairy products in diets for humans). The report must include a title page (title of paper, including topic selected; name, email address); body of paper must be text and must be at least 6 but not exceed 10 typed pages (double-spaced, Times New Roman font, 12 pt); and tables, figures, and references must follow the body.

Grammar and spelling will be factored into the grade.

- 5) The Final Exam will be comprehensive, covering all of the material presented.

<u>Activity</u>	<u>Points</u>	<u>% of Point</u>	<u>Grade</u>	<u>% of Point</u>	<u>Grade</u>
Attendance	50	93-100	A	73-76	C
Media releases	15	90-92	A-	70-72	C-
Pop Quiz	10	87-89	B+	67-69	D+
Report (Wk 8)	100	83-86	B	60-66	D
Final Exam	<u>50</u>	80-82	B-	Below 60	E
TOTAL	225	77-79	C+		

Learning Outcomes:

- 1) Students will gain an understanding of the cultural, social, and economic forces affecting the lifestyles, economy, policies, and food production system in the selected country.
- 2) Students will gain an appreciation for food production systems and their contribution to the economy of the selected country.
- 3) Students will gain an understanding of the size of the dairy production and processing industries in the selected country and the forces affecting their organizational structure and management practices,
- 4) Students will understand the regulatory systems that affect the care and handling of dairy cattle, protection of the environment, and the merchandizing of dairy products, and
- 5) Students will gain an understanding of the contribution of the selected country to the supply of dairy products in the global market.

Academic Misconduct: Any form of academic misconduct by any student will be handled according to the University's Code of Student Conduct (<http://www.osu.edu/units/stuaff/csc2.html>).

NOTE: If you need an accommodation based on the impact of a disability, you should contact me to arrange an appointment as soon as possible. At the appointment, we can discuss the course format, anticipate your needs, and explore potential accommodations. I rely on the Office for Disability Services for assistance in verifying the need for accommodations and developing accommodation strategies. If you have not previously contacted the Office of Disability Services, I encourage you to do so (614-292-3307; <http://www.ods.ohio-state.edu>).

Course Schedule
(Dairy Industry in the US and Netherlands)

Month	Date	Week	Topic	Speaker
		1	Introduction and OIA Presentation	Maurice Eastridge and Kelly Koren
		2	Economy, Political Structure, and Cultural Shifts	Maurice Eastridge
		3	Agricultural Systems	Maurice Eastridge
		4	Dairy Farming in the Netherlands: Production and Economics	Maurice Eastridge
		5	Social Issues of Dairy Farming: US and Netherlands	Guest Speaker
		6	Dairy Farming in the Netherlands: Environmental Practices; Manufacture and consumption of dairy products	Maurice Eastridge
		7	Economic Impact (video from Mega Farm Program by Bowling Green University)	Maurice Eastridge
		8	Why I left the Netherlands to Dairy Farm in Ohio	Dutch Family in Ohio
		9	How We Help Farmers Transition from the Netherlands to the US	Cecilia Conway, VrebaHoff Development
		10	Cultural Adjustments with Moving to the US from the Netherlands	Visit to farm of Dutch Family in Ohio