

## Dairy Industry Outside of the US

ANIM SCI 697.04  
Spring Quarter, 2007

Course Leader: Dr. Maurice L. Eastridge (Professor)  
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Credits: 4 cr hr U Time: Arranged

Prerequisites: Open only to students accepted into Dairy Industry, Study Abroad Program and concurrently enrolled in ANIM SCI 494 (Dairy Industry in the Netherlands). This course is offered only once every 4 years.

Objective: Increase the understanding by undergraduate students to the global nature of the dairy industry, especially comparing the demographics, cultural and economic forces, and natural resource availability on dairy farming and milk processing in the US versus another pre-selected country.

Description: An opportunity for students to study the dairy industry of another country and to experience it by visiting the country studied. Students will pay Ohio State fees and any fees in excess of Ohio State tuition, as well as travel and subsistence costs. This course is offered in conjunction with another 1 cr hr course: ANIM SCI 494 (classroom discussion on country to be visited).

### 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%20farming%20in%20the%20netherlands%22](http://www.lei.dlo.nl/publicaties/PDF/2002/2_xxx/2_02_07.pdf#search=%22dairy%20farming%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](http://www.produivel.nl)
- 7) Netherlands Milk Control Station, [www.mcs-nederland.nl](http://www.mcs-nederland.nl)

Basis for grade:

- 1) Attendance is required to all scheduled events.
- 2) A written report is required within one week upon return from the trip, and it must focus on what was learned during the trip. The report must include a title page (title of paper, name, and email address); body of paper must be a description of what you learned about the country and its dairy industry and must be at least 10 but not exceed 12 typed pages (double-spaced, Times New Roman font, 12 pt); tables, figures, and references should follow the body; and a separate page (one page maximum) at the end of the report must include: title "How I Benefited Most from this Program", name under title, and a description of your experience (same style requirements). Grammar and spelling will be factored into the grade.

<u>Activity</u>	<u>Points</u>	<u>% of Point</u>	<u>Grade</u>	<u>% of Point</u>	<u>Grade</u>
Attendance	100	93-100	A	73-76	C
Report	<u>200</u>	90-92	A-	70-72	C-
		87-89	B+	67-69	D+
TOTAL	300	83-86	B	60-66	D
		80-82	B-	Below 60	E
		77-79	C+		

Learning Outcomes:

- 1) Students will gain an appreciation for the size of the dairy production and processing industries in the selected country and the forces affecting their organizational structure and management practices,
- 2) 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,
- 3) Students will gain an understanding of the contribution of the selected country to the supply of dairy products in the global market,
- 4) Students will gain an understanding of the cultural and economic influences on dairy production in the selected country versus those in the US, and
- 5) Students will gain an appreciation for the economic and historical influences on the economy and lifestyles in the selected country.

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>).

Study Abroad Tentative Schedule  
for  
2007 Trip to the Netherlands

Month	Date	Day of Week	Activity	Host
June	11	Monday	Depart Columbus, Arrive Amsterdam	
	12	Tuesday		
	13	Wednesday		
	14	Thursday		
	15	Friday		
	16	Saturday		
	17	Sunday		
	18	Monday		
	19	Tuesday		
	20	Wednesday		
	21	Thursday		
	22	Friday		
	23	Saturday	Depart Amsterdam, Arrive Columbus	

Activities/sites to be planned:

- 1) Ministry of Agriculture
- 2) University
- 3) Daily Flower Auction
- 4) Cheese Market
- 5) Dairy Farms (large and small; with and without robotic milkers)
- 6) Milk processing facilities
- 7) Museums
- 8) Discussion on environmental and animal welfare regulations