



Bergen Summer Research School

> Global Development Challenges

BSRS 2013: Food as a global development challenge
17th - 29th June 2013

PhD-Research Course: Micronutrient Research for Global Health

Course theme

The course deals with the long-term consequences of micronutrient deficiency on the health and the development of the individual and of society. Micronutrient deficiency may occur independently of any energy deficit and may therefore be 'hidden', and even be associated with overweight and obesity. Assessment issues of micronutrient research will also be part of the course.

Course leaders

Jutta Dierkes, Institute of Medicine, UIB
Grace Egeland, Lifestyle Epidemiology, UIB

Invited lecturer

Shenggen Fan, Director General, International Food Policy Research Institute (IFPRI),
Washington DC, USA

Lecturers

Jutta Dierkes, Institute of Medicine, UIB
Grace Egeland, Lifestyle Epidemiology, UIB
Karen Marie Moland, Centre for International Health (CIH), UIB
Thorkild Tylleskär, Centre for International Health (CIH), UIB
Tor Strand, Centre for International Health (CIH), UIB

Course description and objectives:

Course Objectives

Targeted students, Prerequisites and ECTS

Course literature will be available by May 1st 2013, and must be read prior to the course.
Group work and presentations will be given during the course.

Students will complete one written paper (5000 words) on a specific topic in agreement with one of the course leaders. The essays should be typed, double spaced, 1.0~1.5” margins on all sides, and 12 size font. Deadline for delivery will be specified by the course leaders, and the papers will be graded as pass/not pass.

Students are required to attend all course sessions and participation in the plenary events is also mandatory. The programme will be published on the web.

10 ECTS will be awarded upon successful participation and completion of the full programme, including an essay approved by the course leaders.

Reading list

Will be ready by May 1st 2013

Proposed lectures

| Lecture plan | Lecturer |
|---|--------------------|
| <ul style="list-style-type: none"> • Welcome and introduction to course • Food and nutrition research in low-resource settings | |
| <ul style="list-style-type: none"> • The range of methods of assessing micronutrient status in individuals versus communities | Jutta Dierkes |
| <ul style="list-style-type: none"> • Micronutrient research methods – Group Work and Discussion | Jutta Dierkes |
| <ul style="list-style-type: none"> • Information and assessment techniques provided for developing countries as well as for high-risk populations within developed countries | Grace Egeland |
| <ul style="list-style-type: none"> • Challenges and solutions to micronutrient research in low-income indigenous groups – Group Work and Discussion | Grace Egeland |
| <ul style="list-style-type: none"> • Growth and anthropometry in micronutrient disorders | |
| <ul style="list-style-type: none"> • Growth and anthropometry: measurement and scoring: training and exercises | |
| <ul style="list-style-type: none"> • Obesity and hidden hunger | Jutta Dierkes |
| <ul style="list-style-type: none"> • Obesity and hidden hunger – Group Work and Discussion | Jutta Dierkes |
| <ul style="list-style-type: none"> • Qualitative research approaches | Karen Marie Moland |
| <ul style="list-style-type: none"> • Qualitative research approaches: exercise | Karen Marie Moland |
| <ul style="list-style-type: none"> • Intervention trials in micronutrient research | Tor Strand ? |
| <ul style="list-style-type: none"> • Intervention research: Exercises | Tor Strand ? |
| <ul style="list-style-type: none"> • TBA | Thorkild Tylleskär |
| <ul style="list-style-type: none"> • TBA | Thorkild Tylleskär |

| | |
|---|------------------------------------|
| | |
| <ul style="list-style-type: none">• Course summary and evaluation | Grace Egeland and Jutta Dierkes |