

INTERNATIONAL GRADUATE COURSE ON PRODUCTION AND USE OF FOOD COMPOSITION DATA IN NUTRITION
FoodComp-ASIA 2002 6-24 May, 2002

Week 1	Monday, May 6	Tuesday, May 7	Wednesday, May 8	Thursday, May 9	Friday, May 10
Morning 8.30.9.00	REGISTRATION: Salaya Pavilion	Salaya Pavilion	INMU	INMU	INMU
9.00-12.30	<p>Welcome Aim of the course <i>INMU Director, FAO and ILSI representatives</i></p> <p>Overview of Food composition data system <i>Heather Greenfield, UNS, Australia</i></p> <p>Course schedule and materials</p> <p align="center">Prapasri Puwastien, INMU</p>	<p>Food composition activities at national level: 13 countries <i>Participants' presentation: 10 minute each</i></p> <p><i>All lecturers attend</i></p>	<p align="center">FCD Generation</p> <p>Selection of foods and nutrients <i>Heather Greenfield</i></p> <p>Setting priority of foods and nutrients using USDA "Key Foods" system <i>Gary Beecher (USDA)</i></p>	<p>Sample collection, handling and Transport Sample preparation of various types Special precautions Laboratory practices</p> <p><i>Heather Greenfield</i></p> <p>Facilitators: <i>Pongtorn Sungpuag and team, INMU</i></p>	<p>Dietary fibre Gary Beecher</p> <p>Fat, fatty acids and cholesterol Heather Greenfield</p>
Afternoon 14.00-17.30	<p>Food composition activities at regional level: a. ASEANFOODS <i>Prapasri Puwastien</i> b. SAARCFOODS Jehangir Khan Khalil</p> <p>Participants' needs: conclusion from questionnaire</p> <p align="center">Pongtorn Sungpuag, INMU</p> <p>Orientation of Mahidol University <i>2 groups with 2 INMU staffs</i></p>	<p>Group assignment <i>Advisory team: all lecturers</i> <i>Contact person: Prapasri</i></p> <p>Development of new analytical method: using "phytochemical" as a model Gary Beecher, USDA</p>	<p>Characteristic of good food composition data <i>Heather Greenfield</i></p> <p>Sampling strategies <i>Gary Beecher</i></p>	<p>Moisture and ash Gary Beecher</p> <p>Protein and amino acids Gary Beecher</p>	<p>Quality control system for nutrient analysis Gary Beecher</p> <p>Criteria used for data quality assessment Heather Greenfield</p> <p>Exercise: peer reviewing scientific papers <i>Heather Greenfield, Gary Beecher, Prapasri, Pongtorn, Ratchanee</i> Cocktail: informal Salaya Pavilion</p>
19.00-					

Week 2	Monday, May 13	Tuesday, May 14	Wednesday, May 15	Thursday, May 16	Friday, May 17
<p>Morning 8.30-12.00</p> <p>INMU (a van leaves at 08.20 am)</p>	<p>Starch, sugars and energy Julia Kantasubrata, LIPI, Indonesia</p> <p><i>Minerals</i> Tee E Siong, IMR, Malaysia</p>	<p>Use and users of food composition data: national level <i>Tee E Siong, Malaysia</i></p> <p>Systematic development of good quality food analysis laboratories: experience in Indonesia Julia Kantasubrata</p>	<p>FCD: Research area</p> <p>Bioavailability of nutrients and a case study at INMU <i>Ratchanee Kongkachuichai</i></p> <p>Effect of processing on nutrients <i>Jehangir Khan Khalil</i></p> <p>A case study at INMU Pongtorn Sunpuag</p>	<p>Group assignment: discussion 2 <i>All lecturers</i></p> <p>Publishing food composition and related work in scientific journals Barbara Burlingame, FAO, Rome</p>	<p>Structure of database Barbara Burlingame</p> <p>Assembling data and development of different levels of FCD Barbara Burlingame</p>
<p>Afternoon 13.30-17.00</p>	<p>Water soluble vitamins <i>Heather Greenfield</i></p> <p>Fat soluble vitamins Tee E Siong</p>	<p>Visit food analysis laboratories at INMU <i>Pongtorn Ratchanee and team</i></p> <p>Laboratory Practice</p> <p>In-house QC sample preparation and QC chart <i>Prapasri, Pongtorn, Kunchit, Naruemol</i></p>	<p><i>Course evaluation and participants' needs: data generation</i></p> <p>Prapasri and other lecturers</p> <p>Group assignment: discussion 1: all lecturers</p>	<p>FCD compilation</p> <ul style="list-style-type: none"> Sources of Food composition data (FCD), Methods for compilation of FCD Types of FCD, components, characteristics, converting factors <p>Barbara Burlingame</p> <ul style="list-style-type: none"> Expression of nutrient data, Nutrients INFOODS tagnames Food identifiers and descriptions (food nomenclature) <p>Barbara Burlingame</p>	<p>Data integrity/scrutiny Barbara Burlingame</p> <p>Missing data management <i>Barbara Burlingame</i></p> <p><i>Food composition activities at international level</i> Barbara Burlingame</p>

Week 3	Monday, May 20	Tuesday, May 21	Wednesday, May 22	Thursday, May 23	Friday, May 24
<p>Morning 09.00-12.30</p> <p><i>Salaya</i> <i>Pavilion</i></p>	<p>Data compilation II Computer programme for food composition data</p> <ul style="list-style-type: none"> Structure of database Assembling data and development of different levels of FCD Data integrity/scrutinisation Maintenance of FCD Food composition data dissemination <p>Barbara Burlingame</p>	<p style="text-align: center;">FCD uses</p> <p>Assessment methodologies in Nutrition: a use of FCD</p> <p>Available food composition tables and nutritional database in the web-based resources</p> <p style="text-align: center;">Computer lab <i>Barbara Burlingame</i></p> <p>Available FCD application software: web based resource</p> <p style="text-align: center;">Computer lab <i>Barbara Burlingame</i></p>	<p>Food composition and nutrient recommendation <i>Barbara Burlingame</i></p> <p>INMU-Menucal: programme for school lunch planning <i>Uraiporn Chitchang, INMU</i></p> <p>Hands on: Use of available software (continued) (e.g. NutriCal, Food Work, INMUCAL, INMU-Menucal, FAOSTAT, etc)</p> <p>for</p> <ul style="list-style-type: none"> Dietary analysis Dietary assessment Dietary planning <p style="text-align: center;">Computer lab</p> <p><i>Barbara Burlingame</i> <i>Pongtorn Sungpuag</i></p> <p style="text-align: center;">Orapin Banjong Kitti Sranacharoenpong <i>Uraiporn Chitchang</i> <i>Chayanitch</i></p> <p>Web-based exercise <i>Barbara Burlingame,</i></p>	<p>Evaluation and participants' needs: data users session <i>Barbara Burlingame, Pongtorn Suagpuag, other lecturers</i></p> <p>Sector partners and advocacy <i>Barbara Burlingame</i></p> <p style="text-align: center;">INDIVIDUAL GROUP DISCUSSION</p> <p>Data generation <i>Heather Greenfield, Pongtorn, Ratchanee, Somkiat, Naruemon, Kunchit</i></p> <p>Data compilation <i>Prapasri Puwastien, Jehangir Khan Khalil</i></p> <p>Data use <i>Barbara Burlingame, Uraiporn Chitchang, Orapin Banjong Kitti Sranacharoenpong</i></p>	<p>COURSE EXAMINATION: 1 question (written)</p> <p>Research proposal presentation (20-30 min each group) Group 1 presentation Group 2 presentation Group 3 presentation</p> <p style="text-align: center;">Discussion and comments <i>All lecturers and participants</i></p> <p>Answers to the questions (course examination) <i>All lecturers</i></p> <p>General Course Evaluation and Recommendation for future activities</p> <p>*Presentation of Certificates*</p> <p style="text-align: center;">Closing</p>
<p>Afternoon 14.00-17.30</p>	<ul style="list-style-type: none"> Organising a food composition data centre Barbara Burlingame Development of national and regional food composition database Prapasri Puwastien <p>Evaluation and participants' needs: data compilation session <i>Barbara Burlingame, Prapasri Puwastien, and all lecturers</i></p>	<p>FCD application software at INMU: INMUCAL: General process and use of the software <i>Orapin Banjong, INMU</i></p> <p>Hands on: Use of available software : INMUCAL for</p> <ul style="list-style-type: none"> Dietary analysis Dietary assessment <p style="text-align: center;">Computer lab <i>Orapin Banjong</i> <i>Kitti Sranacharoenpong</i> <i>Chayanitch and Pongtorn Sungpuag</i></p>	<p>Orapin Banjong Kitti Sranacharoenpong <i>Uraiporn Chitchang</i> <i>Chayanitch</i></p> <p>Web-based exercise <i>Barbara Burlingame,</i></p>	<p>Data generation <i>Heather Greenfield, Pongtorn, Ratchanee, Somkiat, Naruemon, Kunchit</i></p> <p>Data compilation <i>Prapasri Puwastien, Jehangir Khan Khalil</i></p> <p>Data use <i>Barbara Burlingame, Uraiporn Chitchang, Orapin Banjong Kitti Sranacharoenpong</i></p>	<p>General Course Evaluation and Recommendation for future activities</p> <p>*Presentation of Certificates*</p> <p style="text-align: center;">Closing</p>
19.15-					Course Dinner

