



Master in Life Sciences

A cooperation between
BFH, FHNW, HES-SO, ZFH

Module	Food for Specific Target Groups
Code	MSLS_FNH-4
Degree Program	Master of Science in Life Sciences (MSLS)
ECTS Credits	5
Workload	150 h: contact 64h, self-study: 86h
Module Coordinator	<p>Name Dr. Steffen Theobald</p> <p>Phone +41 31 848 45 19</p> <p>Email steffen.theobald@bfh.ch</p> <p>Address Bern University of Applied Sciences, Health Division Murtenstrasse 10, CH-3008 Bern, Switzerland</p>
Lecturers	<ul style="list-style-type: none"> • Julia Eisenblätter (BFH-Health) • Dr. David Fäh (BFH-Health) • Sandra Jent (BFH-Health) • Dr. Helena Jenzer (BFH-Health) • Silvia Kurmann (BFH-Health) • Dr. Leila Sadeghi (BFH-Health) • Dr. Steffen Theobald (BFH-Health)
Entry Requirements	<p>General understanding of the following topics is an advantage:</p> <ul style="list-style-type: none"> • Physiology and Biochemistry • Human Nutrition • Food Sciences
Learning Outcomes and Competences	<p>After completing the module students will be able to:</p> <ul style="list-style-type: none"> • describe the specific food needs of selected demographic and patient groups • analyse difficulties in transferring diets with special foods into practice • discover potential adverse effects of specific diets and weigh advantages against disadvantages • develop new topics with different learning methods autonomously
Module Content	<ul style="list-style-type: none"> • Life Cycle nutrition – with focus on: nutrition for the elderly • Patients with <ul style="list-style-type: none"> ○ Malnutrition ○ Food intolerances ○ Food allergies ○ Celiac disease ○ Cardiovascular diseases • Current trends in nutrition for healthy individuals • Nutrigenomics
Teaching / Learning Methods	<ul style="list-style-type: none"> • Lectures and seminars • Exercises, Case studies • Self-study
Assessment of Learning Outcome	Oral examination (100 %)
Bibliography	<ul style="list-style-type: none"> • Escott-Stump S, 2012. Nutrition and diagnosis-related care (7th ed.). Wolters Kluwer Health/Lippincott Williams & Wilkins, Philadelphia, xx, 1020. • Kaeberlein M, 2016. Handbook of the biology of aging (Eighth edition). Elsevier, Amsterdam, 559 S. • Lomer M, 2014. Advanced nutrition and dietetics in gastroenterology. John Wiley & Sons Inc, Chichester, West Sussex. • Mahan LK (ed.), 2012. Krause's Food and the nutrition care process (13th ed.).

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	<p>Saunders, Philadelphia.</p> <ul style="list-style-type: none"> • Metcalfe DD, 2013. Food allergy. Adverse reactions to foods and food additives (Fifth edition). Wiley-Blackwell, Chichester. • Payne-James J (ed.), 2012. Artificial nutrition and support in clinical practice (2nd ed.). Cambridge Univ. Press, Cambridge, 798 p. • Poskitt EME, Burdge GC, 2004. RJ Stratton, CJ Green, and M Elia. Disease-related Malnutrition. An Evidence Based Approach to Treatment. Wallingford, Oxon.: CABI Publishing. 2003. • Sobotka L (ed.), 2011. Basics in clinical nutrition. Edited for ESPEN courses (4th ed.). Galén, Prag. • Wardlaw GM, Byrd-Bredbenner C, 2016. Wardlaw's perspectives in nutrition (10th ed.). McGraw-Hill, New York, N.Y., 690 S.
Language	English
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