Zehnte Ordnung zur Änderung der Prüfungs- und Studienordnung für den konsekutiven Master-Studiengang „Sustainable International Agriculture“ der Universität Kassel und der Georg-August-Universität Göttingen vom 19.10.2022

Die Prüfungs- und Studienordnung für den konsekutiven Master-Studiengang „Sustainable International Agriculture“ der Universität Kassel und der Georg-August-Universität Göttingen vom 21. Oktober 2011 (MittBl. 1/2012, S. 26), zuletzt geändert am 14.07.2021 (MittBl. 4/2022, S. 25), wird wie folgt geändert:

Artikel 1 Änderungen

1. § 6 Gliederung des Studiums, Masterprüfung wird wie folgt geändert:
Neu: e) Sprachkurse auf B-Niveau im Umfang von 6C können einmalig als Wahlmodul berücksichtigt werden, vorausgesetzt, dass es sich nicht um Englisch oder um die Muttersprache des Studierenden handelt.

2. Die Anlage 1 wird wie folgt neu gefasst:

Anlage 1: Modulübersicht

Es müssen insgesamt wenigstens 120 Anrechnungspunkte nach Maßgabe der nachfolgenden Bestimmungen erworben werden.

a) Studienschwerpunkte
Es muss ein Studienschwerpunkt im Umfang von insgesamt wenigstens 90 C erfolgreich absolviert werden.

aa) International Agribusiness and Rural Development Economics

i) Pflichtmodule
Es müssen folgende Pflichtmodule im Umfang von insgesamt 24 C erfolgreich absolviert werden:
M.Agr.0086: World agricultural markets and trade (6 C, 6 SWS).
M.SIA.E11: Socioeconomics of Rural Development and Food Security (6 C, 4 SWS)
M.SIA.I12: Sustainable International Agriculture: basic principles and approaches (6 C, 4 SWS)
M.WIWI-QMW.0004: Econometrics I (6 C, 4 SWS)

ii) Wahlpflichtmodule
Aus folgenden Modulen müssen Wahlpflichtmodule (davon mindestens ein Modul zur Schulung des methodischen Arbeitens mit einem Code M) im Umfang von insgesamt 30 C erfolgreich absolviert werden:

M.Agr.0148: Policy analysis of international agri-environmental Schemes
M.SIA.E05M: Marketing research (6 C, 4 SWS)
M.SIA.E12M: Quantitative Research Methods in Rural Development Economics (6 C, 4 SWS)
M.SIA.E13M: Microeconomic Theory and Quantitative Methods of Agricultural Production (6 C, 4 SWS)
M.SIA.E14: Evaluation of rural development projects and policies (6 C, 4 SWS)
M.SIA.E18: Organization of Food Supply Chains (6 C, 4 SWS)
M.SIA.E21: Rural Sociology (6 C, 4 SWS)
M.SIA.E24: Topics in rural development economics I (6 C, 4 SWS)
M.SIA.E31: Strategic management (6 C, 4 SWS)
M.SIA.E33: Responsible and sustainable food business in global contexts (6 C, 4 SWS)
M.SIA.E34: Economic valuation of ecosystem services in developing countries (6 C, 4 SWS)
M.SIA.E36: Institutions and the food system (6 C, 4 SWS)
M.SIA.E37: Agricultural policy analysis (6 C, 4 SWS)
M.SIA.E38: Scientific writing in Agricultural Economics (6 C, 4 SWS)
M.SIA.E40: Agriculture, Environment and Development (6 C, 4 SWS)

M.SIA.I19M: Participatory research methods for sustainability (6 C, 4 SWS)
M.WIWI-VWL.0008: Development Economics I: Macro Issues in Economic Development (6 C, 4 SWS)

iii) Wahlmodule

Aus folgenden Modulen müssen Wahlmodule im Umfang von insgesamt 36 C erfolgreich absolviert werden. Es können auch die bislang nicht gewählten Wahlpflichtmodule des Studienschwerpunkts gewählt werden:

M.Agr.0106 China economic development: from an agricultural economy to an emerging economy (6 C, 4 SWS)
M.Agr. 0118: Applied Microeconomics (6 C, 4 SWS)
M.Agr 0151 Data Analysis with R in agricultural economics (6 C, 4 SWS)
M.Agr.0156: Microfinance for the Rural Poor: A Business Class (6 C, 4 SWS)
M.SIA.A07: Unconventional livestock and wildlife-management, utilization and conservation (6 C, 4 SWS)
M.SIA.A08: Socio-ecology in livestock production systems (6 C, 4 SWS)
M.SIA.A11: Tropical animal husbandry systems (6 C, 4 SWS)
M.SIA.A14: Organic livestock farming under temperate conditions (6 C, 4 SWS)
M.SIA.A16: Livestock breeding programs (6 C, 4 SWS)
M.SIA.E02: Agricultural price theory (6 C, 4 SWS)
M.SIA.E17M: Management and management accounting (6 C, 4 SWS)
M.SIA.E19: Market integration and price transmission I (6 C, 4 SWS)
M.SIA.E39: Critical and collective perspectives on the global food system
M.SIA.E40: Agriculture, environment and development (6 C, 4 SWS)
M.SIA.E41: EU policies and Organic Agriculture (6 C, 4 SWS)
M.SIA.E42: Agriculture, nutrition and sustainable food systems (6 C, 4 SWS)
M.SIA.E44: International organic food markets and marketing (6 C, 4 SWS)
M.SIA.E45: Introduction to choice experiments in food economics (6 C, 4SWS)
M.SIA.I02: Management of (sub-)tropical landuse systems (6 C, 4 SWS)
M.SIA.I03: Food quality and organic food processing (6 C, 4 SWS)
M.SIA.I07: International land use systems research - an interdisciplinary study tour (6 C, 8,5 SWS)
M.SIA.I11M: Free Project (6 C)
M.SIA.I14M: GIS and remote sensing in agriculture (6 C, 4 SWS)
M.SIA.I17: Sustainable diets (6 C, 6 SWS)
M.SIA.I20: Agriculture and ecosystem services (6 C, 4 SWS)
M.SIA.I21M: From conceptualisation to communication: key steps in empirical research (6 C, 4 SWS)
M.SIA.I23: Sustainable agricultural practices in Mediterranean regions (6 C, 2 SWS)
M.SIA.I24: Modelling climate impacts on agroecosystems (6 C, 4 SWS)
M.SIA.I26: Wastewater treatment for agricultural reuse (6 C, 4 SWS)
M.SIA.P05: Organic cropping systems under temperate and (sub)tropical conditions (6 C, 4 SWS)
M.SIA.P21: Energetic use of agricultural crops and field forage production
M.SIA.P22: Management of tropical plant production systems (6 C, 4 SWS)
M.SIA.P24: Agroforestry (6 C, 4 SWS)
M.SIA.P28: Digitalization in agriculture (6 C, 4 SWS)
M.SIA.P29: Impact of climate extremes on plant production systems around the globe (6 C, 4 SWS)
M.WIWI-VWL.0096: Essentials of global health (6 C, 2 SWS)

bb) International Organic Agriculture

i) Pflichtmodule

Folgendes Brückenmodul M.SIA.P07 und folgende Module im Umfang von insgesamt 30 C müssen erfolgreich absolviert werden:

M.SIA.A14: Organic livestock farming under temperate conditions (6 C, 4 SWS)
M.SIA.I10M: Applied statistical modelling (6 C, 4 SWS)
M.SIA.I12: Sustainable International Agriculture: basic principles and approaches (6 C, 4 SWS)
M.SIA.P05: Organic cropping systems under temperate and (sub)tropical conditions (6 C, 4 SWS)
M.SIA.P07: Soil and plant science (6 C, 4 SWS)

ii) Wahlpflichtmodule
Aus folgenden Modulen müssen vier Module im Umfang von insgesamt 24 C (davon mindestens ein Modul zur Schulung des methodischen Arbeitens mit einem Code M sowie ein ökonomisches Modul mit einem Code E) erfolgreich absolviert werden:

M.Agr.0009: Biological Control and Biodiversity (6 C, 6 SWS)
M.Agr.0056: Plant breeding methodology and genetic resources (6 C, 4 SWS)
M.SIA.A10M: Livestock nutrition and feed evaluation under (sub)tropical conditions (6 C, 4 SWS)
M.SIA.E05M: Marketing research (6 C, 4 SWS)
M.SIA.E11: Socioeconomics of Rural Development and Food Security (6 C, 4 SWS)
M.SIA.E14: Evaluation of rural development projects and policies (6 C, 4 SWS)
M.SIA.E21: Rural Sociology (6 C, 4 SWS)
M.SIA.E41: EU policies and Organic Agriculture (6 C, 4 SWS)
M.SIA.E44: International organic food markets and marketing (6 C, 4 SWS)
M.SIA.I03: Food quality and organic food processing (6 C, 4 SWS)
M.SIA.I06M: Exercise on the quality of tropical and subtropical products (6 C, 4 SWS)
M.SIA.I14M: GIS and remote sensing in agriculture (6 C, 4 SWS)
M.SIA.I17: Sustainable diets (6 C, 6 SWS)
M.SIA.I20: Agriculture and ecosystem services (6 C, 4 SWS)
M.SIA.I21M: From conceptualisation to communication: key steps in empirical research (6 C, 4 SWS)
M.SIA.I19M: Participatory research methods for sustainability (6 C, 4 SWS)
M.SIA.P01: Ecology and agroecosystems (6 C, 4 SWS)
M.SIA.P03: Ecological soil microbiology (6 C, 4 SWS)
M.SIA.P06: Soil and water (6 C, 4 SWS)
M.SIA.P13: Agrobiodiversity and plant genetic resources in the tropics (6 C, 4 SWS)
M.SIA.P15M: Methods and advances in plant protection (6 C, 4 SWS)
M.SIA.P16M: Crop modelling for risk management (6 C, 4 SWS)
M.SIA.P20: Plant Nematology (6 C, 4 SWS)
M.SIA.P24: Agroforestry (6 C, 4 SWS)
M.SIA.P27M: Nutrient dynamics, experimental design and statistical modelling - bilingual (6 C, SWS)

iii) Wahlmodule
Aus folgenden Modulen müssen Module im Umfang von insgesamt 36 C erfolgreich absolviert werden. Es können auch die bislang nicht gewählten Wahlpflichtmodule des Studien- schwerpunkts gewählt werden.:

M.Agr.0086: World agricultural markets and trade (6 C, 6 SWS)
M.Agr.0148: Policy analysis of international agri-environmental Schemes
M.Agr.0174: Plant Health Management in Tropical Crops (6 C, 4 SWS)
M.SIA.A02M: Epidemiology of international and tropical animal infectious diseases (6 C, 4 SWS)
M.SIA.A03M: International and tropical food microbiology and hygiene (6 C, 4 SWS)
M.SIA.A04: Livestock reproduction physiology (6 C, 4 SWS)
M.SIA.A07: Unconventional livestock and wildlife-management, utilization and conservation (6 C, 4 SWS)
M.SIA.A08: Socio-ecology in livestock production systems (6 C, 4 SWS)
M.SIA.A11: Tropical animal husbandry systems (6 C, 4 SWS)
M.SIA.A13M: Livestock-based sustainable land use (6 C, 4 SWS)
M.SIA.A15M: Scientific writing in natural sciences (6 C, 4 SWS)
M.SIA.A16: Livestock breeding programs (6 C, 4 SWS)
M.SIA.E02: Agricultural price theory (6 C, 4 SWS)
M.SIA.E12M: Quantitative research methods in rural development economics (6 C, 4 SWS)
M.SIA.E13M: Microeconomic theory and quantitative methods of agricultural production (6 C, 4 SWS)
M.SIA.E17M: Management and management accounting (6 C, 4 SWS)
M.SIA.E18: Organization of Food Supply Chains (6 C, 4 SWS
M.SIA.E24: Topics in Rural Development Economics I (6 C, 4 SWS)
M.SIA.E31: Strategic management (6 C, 4 SWS)
M.SIA.E33: Responsible and sustainable food business in global contexts (6 C, 4 SWS)
M.SIA.E34: Economic valuation of ecosystem services in developing countries (6 C, 4 SWS)
M.SIA.E36: Institutions and the food system (6 C, 4 SWS)
M.SIA.E37: Agricultural policy analysis (6 C, 4 SWS)
M.SIA.E39: Critical and collective perspectives on the global food system

M.SIA.E42: Agriculture, nutrition and sustainable food systems (6 C, 4 SWS)
M.SIA.I02: Management of (sub-)tropical landuse systems (6 C)
M.SIA.I06M: Exercise on the quality of tropical and subtropical products (6 C, 4 SWS)
M.SIA.I07: International land use systems research - an interdisciplinary study tour (6 C, 8,5 SWS)
M.SIA.I11M: Free Project (6 C)
M.SIA.I23: Sustainable agricultural practices in Mediterranean regions (6 C, 2 SWS)
M.SIA.I25: Engineering software in agriculture and livestock farming (6 C, 4 SWS)
M.SIA.I26: Wastewater treatment for agricultural reuse (6 C, 4 SWS)
M.SIA.I27: Postharvest technology (6 C, 4 SWS)
M.SIA.P10: Tropical agro-ecosystem functions (6 C, 4 SWS)
M.SIA.P19M: Experimental techniques in tropical agronomy (6 C, 4 SWS)
M.SIA.P21: Energetic use of agricultural crops and field forage production (6 C, 4 SWS)
M.SIA.P22: Management of tropical plant production systems (6 C, 4 SWS)
M.SIA.P23M: Modern Plant Nutrition - Application of Molecular Methods in Plant Nutrition Research (6 C, 4 SWS)
M.SIA.P28: Digitalization in agriculture (6 C, 4 SWS)
M.SIA.P29: Impact of climate extremes on plant production systems around the globe (6 C, 4 SWS)
M.SIA.P30M: Ecological genetics (6 C, 4 SWS)
M.WIWI-VWL.0008: Development Economics I: Macro Issues in economic development (6 C, 4 SWS)
M.iPAB.0002: Breeding schemes and programs in plant and animal breeding (6 C, 4 SWS)

cc) Tropical Agricultural and Agroecosystems Sciences

i) Pflichtmodule
Folgendes Brückenmodul M.SIA.P07 und folgende Module im Umfang von insgesamt 30 C müssen erfolgreich absolviert werden:

M.SIA.A11: Tropical animal husbandry systems (6 C, 4 SWS)
M.SIA.I10M: Applied statistical modelling (6 C, 4 SWS)
M.SIA.I12: Sustainable International Agriculture: basic principles and approaches (6 C, 4 SWS)
M.SIA.P07: Soil and plant science (6 C, 4 SWS)
M.SIA.P22: Management of tropical plant production systems (6 C, 4 SWS)

ii) Wahlpflichtmodule
Aus folgenden Modulen müssen Module im Umfang von insgesamt 24 C (davon mindestens ein Modul zur Schulung des methodischen Arbeitens mit einem Code M sowie ein ökonomisches Modul mit einem Code E) erfolgreich absolviert werden:

M.Agr.0056: Plant breeding methodology and genetic resources (6 C, 4 SWS)
M.Agr.0174: Plant Health Management in Tropical Crops (6 C, 4 SWS)
M.SIA.A02M: Epidemiology of international and tropical animal infectious diseases (6 C, 4 SWS)
M.SIA.A03M: International and tropical food microbiology and hygiene (6 C, 4 SWS)
M.SIA.A04: Livestock reproduction physiology (6 C, 4 SWS)
M.SIA.A10M: Livestock nutrition and feed evaluation under (sub)tropical conditions (6 C, 4 SWS)
M.SIA.A13M: Livestock-based sustainable land use (6 C, 4 SWS)
M.SIA.A16: Livestock breeding programs (6 C, 4 SWS)
M.SIA.E11: Socioeconomics of Rural Development and Food Security (6 C, 4 SWS)
M.SIA.I06M: Exercise on the quality of tropical and subtropical products (6 C, 4 SWS)
M.SIA.I14M: GIS and remote sensing in agriculture (6 C, 4 SWS)
M.SIA.I19M: Participatory research methods for sustainability (6 C, 4 SWS)
M.SIA.I20: Agriculture and ecosystem services (6 C, 4 SWS)
M.SIA.I21M: From conceptualisation to communication: key steps in empirical research (6 C, 4 SWS)
M.SIA.I24: Modelling climate impacts on agroecosystems (6 C, 4 SWS)
M.SIA.P01: Ecology and agroecosystems (6 C, 4 SWS)
M.SIA.P05: Organic cropping systems under temperate and (sub)tropical conditions (6 C, 4 SWS)
M.SIA.P10: Tropical agro-ecosystem functions (6 C, 4 SWS)
M.SIA.P13: Agrobiodiversity and plant genetic resources in the tropics (6 C, 4 SWS)
M.SIA.P15M: Methods and advances in plant protection (6 C, 4 SWS)
M.SIA.P16M: Crop Modelling for Risk Management (6 C, 4 SWS)
M.SIA.P19M: Experimental Techniques in Tropical Agronomy (6 C, 4 SWS)
M.SIA.P24: Agroforestry (6 C, 4 SWS)
M.SIA.P27M: Nutrient dynamics, experimental design and statistical modelling - bilingual (6 C,

SWS)
M.SIA.P29: Impact of climate extremes on plant production systems around the globe (6 C, 4 SWS)

iii) Wahlmodule
Aus folgenden Modulen müssen Module im Umfang von insgesamt 36 C erfolgreich absolviert werden. Es können auch die bislang nicht gewählten Wahlpflichtmodule des Studien- schwerpunkts gewählt werden.:

M.Agr.0009: Biological control and biodiversity (6 C, 6 SWS)
M.Agr.0086: World agricultural markets and trade (6 C, 6 SWS)
M.Agr.0148: Policy analysis of international agri-environmental Schemes
M.SIA.A07: Unconventional livestock and wildlife-management, utilization and conservation (6 C, 4 SWS)
M.SIA.A08: Socio-ecology in livestock production systems (6 C, 4 SWS)
M.SIA.A14: Organic livestock farming under temperate conditions (6 C, 4 SWS)
M.SIA.A15M: Scientific writing in natural sciences (6 C, 4 SWS)
M.SIA.E02: Agricultural price theory (6 C, 4 SWS)
M.SIA.E05M: Marketing research (6 C, 4 SWS)
M.SIA.E06: International markets and marketing for organic products (6 C, 4 SWS)
M.SIA.E12M: Quantitative research methods in rural development economics (6 C, 4 SWS)
M.SIA.E13M: Microeconomic theory and quantitative methods of agricultural production (6 C, 4 SWS)
M.SIA.E14: Evaluation of rural development projects and policies (6 C, 4 SWS)
M.SIA.E17M: Management and management accounting (6 C, 4 SWS)
M.SIA.E18: Organization of Food Supply Chains (6 C, 4 SWS)
M.SIA.E21: Rural Sociology (6 C, 4 SWS)
M.SIA.E24: Topics in Rural Development Economics I (6 C, 4 SWS)
M.SIA.E31: Strategic management (6 C, 4 SWS)
M.SIA.E33: Responsible and sustainable food business in global contexts (6 C, 4 SWS)
M.SIA.E34: Economic valuation of ecosystem services in developing countries (6 C, 4 SWS)
M.SIA.E36: Institutions and the food system (6 C, 4 SWS)
M.SIA.E37: Agricultural policy analysis (6 C, 4 SWS)
M.SIA.E39: Critical and Collective Perspectives on the Global Food System
M.SIA.E41: EU policies and Organic Agriculture (6 C, 4 SWS)
M.SIA.E42: Agriculture, nutrition and sustainable food systems (6 C, 4 SWS)
M.SIA.I02: Management of (sub-)tropical landuse systems (6 C)
M.SIA.I03: Food quality and organic food processing (6 C, 4 SWS)
M.SIA.I07: International land use systems research - an interdisciplinary study tour (6 C, 8,5 SWS)
M.SIA.I11M: Free Project (6 C)
M.SIA.I17: Sustainable diets (6 C, 6 SWS)
M.SIA.I23: Sustainable agricultural practices in Mediterranean regions (6 C, 2 SWS)
M.SIA.I25: Engineering software in agriculture and livestock farming (6 C, 4 SWS)
M.SIA.I26: Wastewater treatment for agricultural reuse (6 C, 4 SWS)
M.SIA.I27: Postharvest Technology (6 C, 4 SWS)
M.SIA.P03: Ecological soil microbiology (6 C, 4 SWS)
M.SIA.P06: Soil and water (6 C, 4 SWS)
M.SIA.P21: Energetic use of agricultural crops and field forage production (6 C, 4 SWS)
M.SIA.P20: Plant Nematology (6 C, 4 SWS)
M.SIA.P28: Digitalization in agriculture (6 C, 4 SWS)
M.SIA.P30M: Ecological genetics (6 C, 4 SWS)
M.WIWI-VWL.0008: Development Economics I: Macro issues in economic development (6 C, 4 SWS)
M.iPAB.0002: Breeding schemes and programs in plant and animal breeding (6 C, 4 SWS)

b) Masterarbeit
Durch die erfolgreiche Anfertigung der Masterarbeit werden 24 C erworben.

c) Kolloquium zur Masterarbeit
Durch das erfolgreiche Absolvieren des Kolloquiums zur Master-Arbeit werden 6 C erworben.

Ergänzende Modulübersicht für Studierende des Double-Degree-Programms mit der Universität Talca

a) Studium an den Universitäten Kassel und Göttingen im 1. und 2. Semester
aa) Studium an den Universitäten Kassel und Göttingen

Studierende absolvieren während der ersten zwei Studiensemester an den Universitäten Kassel und Göttingen nachfolgendes Studienprogramm.

i) Pflichtmodule

Die folgenden Pflichtmodule müssen erfolgreich abgelegt werden:
M.Agr.0086: World agricultural markets and trade (6 C, 6 SWS)
M.SIA.E11: Socioeconomics of Rural Development and Food Security (6 C, 4 SWS)
M.SIA.I12: Sustainable International Agriculture: basic principles and approaches (6 C, 4 SWS)
M.WIWI-QMW.0004: Econometrics I (6 C, 4 SWS)

ii) Wahlpflichtmodule

Von den folgenden Wahlpflichtmodulen müssen drei erfolgreich erbracht werden:
M.SIA.E05M: Marketing research (6 C, 4 SWS)
M.SIA.E12M: Quantitative Research Methods in Rural Development Economics (6 C, 4 SWS)
M.SIA.E13M: Microeconomic Theory and Quantitative Methods of Agricultural Production (6 C, 4 SWS)
M.SIA.E14: Evaluation of rural development projects and policies (6 C, 4 SWS)
M.SIA.E18: Organization of food supply chains (6 C, 4 SWS)
M.SIA.E21: Rural Sociology (6 C, 4 SWS)
M.SIA.E31: Strategic management (6 C, 4 SWS)
M.SIA.E33: Responsible and sustainable food business in global contexts (6 C, 4 SWS)
M.SIA.E34: Economic valuation of ecosystem services in developing countries (6 C, 4 SWS)
M.SIA.E36: Institutions and the food system (6 C, 4 SWS)
M.SIA.E37: Agricultural policy analysis (6 C, 4 SWS)
M.WIWI-VWL.0008: Development Economics I: Macro Issues in Economic Development (6 C, 4 SWS)

iii) Wahlmodule

Von den folgenden Modulen (oder bisher nicht gewählten Wahlmodule der Spezialisierungsrichtung) müssen drei Module erfolgreich erbracht werden:
M.SIA.A07: Unconventional livestock and wildlife-management, utilization and conservation (6 C, SWS)
M.SIA.A08: Social-ecology in livestock production systems (6 C, 4 SWS)
M.SIA.A11: Tropical animal husbandry systems (6 C, 4 SWS)
M.SIA.A14: Organic livestock farming under temperate conditions (6 C, 4 SWS)
M.SIA.E02: Agricultural price theory (6 C, 4 SWS)
M.SIA.E06: International markets and marketing for organic products (6 C, 4 SWS)
M.SIA.E17M: Management and management accounting (6 C, 4 SWS)
M.SIA.E19: Market integration and price transmission I (6 C, 4 SWS)
M.SIA.I02: Management of (sub-)tropical landuse systems (6 C)
M.SIA.I03: Food quality and organic food processing (6 C, 4 SWS)
M.SIA.I07: International land use systems research - an interdisciplinary study tour (6 C, 8,5 SWS)
M.SIA.I11M: Free Project (6 C)
M.SIA.I14M: GIS and Remote Sensing in Agriculture (6 C, 4 SWS)
M.SIA.I17: Sustainable diets (6 C, 6 SWS)
M.SIA.I21M: From conceptualisation to communication: key steps in empirical research (6 C, 4 SWS)
M.SIA.P05: Organic cropping systems under temperate and (sub)tropical conditions (6 C, 4 SWS)
M.SIA.P21: Energetic use of agricultural crops and Field forage production (6 C, 4 SWS)
M.SIA.P22: Management of tropical plant production systems (6 C, 4 SWS)

bb) Studium an der Universität Talca

Während der letzten zwei Semester an der Universität Talca müssen Studierende folgende Module absolvieren:

i) Wahlpflichtmodule

Von den folgenden Modulen müssen zwei Wahlpflichtmodule erfolgreich erbracht werden:
M.SIA.UT-C-11: Managerial Economics (6 C, 6 SWS)
M.SIA.UT-C-12: Marketing in Agribusiness I (Strategic Marketing) (6 C, 6 SWS)
M.SIA.UT-M-40: Applied Econometrics (6 C)
M.SIA.UT-M-41: Innovation Management in the Agroindustry and Food Chain (6 C)
M.SIA.UT-M-42: Quality Management and Food Safety (6 C)

ii) Wahlmodule

Von den folgenden Modulen müssen drei Wahlmodule erfolgreich erbacht werden:

M.SIA.UT-O-13: Strategic Management (6 C, SWS)
M.SIA.UT-O-15: Technologies in Fruit and Wine Production (6 C, 6 SWS)
M.SIA.UT-O-16: Development Economics in Latin America (6 C, 5 SWS)
M.SIA.UT-O-28: Financial Management II (6 C)
M.SIA.UT-O-29: Formulation and Project Appraisal for Agricultural and Agroindustry (6 C)
M.SIA.UT-O-30: Environmental Economics and Environmental Impact Analysis of Agribusiness Projects (6 C)

b) Studium an den Universitäten Kassel und Göttingen im 1. und 4. Semester
Erstes Semester an den Universitäten Göttingen und Kassel, zwei Semester an der Universität Talca, das letzte Semester in Göttingen und Kassel.
aa) Studium an den Universitäten Kassel und Göttingen
Studierende müssen während des ersten Semesters an den Universitäten Göttingen und Kassel absolvieren:
i) Pflichtmodule
Die folgenden Pflichtmodule müssen erfolgreich erbracht werden:
M.SIA.E11: Socioeconomics of Rural Development and Food Security (6 C, 4 SWS)
M.SIA.I12: Sustainable International Agriculture: basic principles and approaches (6 C, 4 SWS)
M.WIWI-QMW.0004: Econometrics I (6 C, 4 SWS)
ii) Wahlpflichtmodule
Von den folgenden Wahlpflichtmodulen muss ein Modul erfolgrecih erbracht werden:
M.SIA.E05M: Marketing research (6 C, 4 SWS)
M.SIA.E12M: Quantitative Research Methods in Rural Development Economics (6 C, 4 SWS)
M.SIA.E13M: Microeconomic Theory and Quantitative Methods of Agricultural Production (6 C, 4 SWS)
M.SIA.E14: Evaluation of rural development projects and policies (6 C, 4 SWS)
M.SIA.E18: Organization of food supply chains (6 C, 4 SWS)
M.SIA.E21: Rural Sociology (6 C, 4 SWS)
M.SIA.E31: Strategic management (6 C, 4 SWS)
M.SIA.E33: Responsible and sustainable food business in global contexts (6 C, 4 SWS)
M.SIA.E34: Economic valuation of ecosystem services in developing countries (6 C, 4 SWS)
M.SIA.E36: Institutions and the food system (6 C, 4 SWS)
M.SIA.E37: Agricultural policy analysis (6 C, 4 SWS)
M.WIWI-VWL.0008: Development Economics I: Macro Issues in Economic Development (6 C, 4 SWS)
iii) Wahlmodule
Von den folgenden Wahlmodulen muss ein Modul erfolgreich erbracht werden:
M.SIA.A07: Unconventional livestock and wildlife-management, utilization and conservation (6 C, SWS)
M.SIA.A08: Social-ecology in livestock production systems (6 C, 4 SWS)
M.SIA.A11: Tropical animal husbandry systems (6 C, 4 SWS)
M.SIA.A14: Organic livestock farming under temperate conditions (6 C, 4 SWS)
M.SIA.E02: Agricultural price theory (6 C, 4 SWS)
M.SIA.E06: International markets and marketing for organic products (6 C, 4 SWS)
M.SIA.E17M: Management and management accounting (6 C, 4 SWS)
M.SIA.E19: Market integration and price transmission I (6 C, 4 SWS)
M.SIA.I02: Management of (sub-)tropical landuse systems (6 C)
M.SIA.I03: Food quality and organic food processing (6 C, 4 SWS)
M.SIA.I07: International land use systems research - an interdisciplinary study tour (6 C, 8,5 SWS)
M.SIA.I11M: Free Project (6 C)
M.SIA.I14M: GIS and Remote Sensing in Agriculture (6 C, 4 SWS)
M.SIA.I17: Sustainable diets (6 C, 6 SWS)
M.SIA.I21M: From conceptualisation to communication: key steps in empirical research (6 C, 4 SWS)
M.SIA.P05: Organic cropping systems under temperate and (sub)tropical conditions (6 C, 4 SWS)
M.SIA.P21: Energetic use of agricultural crops and Field forage production (6 C, 4 SWS)
M.SIA.P22: Management of tropical plant production systems (6 C, 4 SWS)
bb) Studium an der Universität Talca

Studierende absolvieren während der ersten zwei Studiensemester an der Universität Talca nachfolgendes Studienprogramm:

i) Pflichtmodule

Das folgende Pflichtmodul muss erfolgreich erbracht werden:
M.Agr.0086: World agricultural markets and trade (6 C, 6 SWS)

ii) Wahlpflichtmodule

Von den folgenen Wahlpflichtmodulen müssen vier Module erfolgreich erbracht werden:
M.SIA.UT-C-11: Managerial Economics (6 C, 6 SWS)
M.SIA.UT-C-12: Marketing in Agribusiness I (Strategic Marketing) (6 C, 6 SWS)
M.SIA.UT-C-21M: Methods for Socio-Economic Analysis (6 C, SWS)
M.SIA.UT-C-22: Financial Management I (6 C, 6 SWS)
M.SIA.UT-O-27: Introduction into Agricultural Policy (6 C)

iii) Wahlmodule

Von den folgenden Modulen (oder bisher nicht gewählte Wahlmodule der Spezialisierungsrichtung) müssen fünf Module erfolgreich erbracht werden:
M.SIA.UT-O-13: Strategic Management (6 C, SWS)
M.SIA.UT-O-14: Agricultural Price Theory (6 C, SWS)
M.SIA.UT-O-15: Technologies in Fruit and Wine Production (6 C, 6 SWS)
M.SIA.UT-O-16: Development Economics in Latin America (6 C, 5 SWS)
M.SIA.UT-O-23: Human Resources Management (6 C, SWS)
M.SIA.UT-O-24M: Marketing in Agribusiness II (Marketing Research) (6 C, SWS)
M.SIA.UT-O-25: Principles, Monitoring and Methods of Agricultural Projects Development Policies (6 C, 6 SWS)
M.SIA.UT-O-26: Agricultural Innovation and Extension (6 C, 6 SWS)
M.SIA.UT-O-27: Introduction into Agricultural Policy (6 C)

c) Studium an den Universitäten Kassel und Göttingen im 3. und 4. Semester

aa) Studium an der Universität Talca

Studierende absolvieren während der ersten zwei Studiensemester an der Universität Talca nachfolgendes Studienprogramm.

i) Pflichtmodule

Es sind folgende fünf Module im Umfang von insgesamt 30 C erfolgreich zu absolvieren:
M.Agr.0086: World agricultural markets and trade (6 C, 6 SWS)
M.SIA.UT-C-11: Managerial Economics (6 C, 6 SWS)
M.SIA.UT-C-12: Marketing in Agribusiness I (Strategic Marketing) (6 C, 6 SWS)
M.SIA.UT-C-21M: Methods for Socio-Economic Analysis (6 C, 6 SWS)
M.SIA.UT-C-22: Financial Management I (6 C, 6 SWS)

ii) Wahlpflichtmodule

Aus folgenden Modulen müssen 5 Wahlmodule im Umgang von insgesamt 30 C (bzw. nicht absolvierte Wahlpflichtmoule) erfolgreich absolviert werden.
M.SIA.UT-O-13: Strategic Management (0 C, 6 SWS)
M.SIA.UT-O-14: Agricultural Price Theory (6 C, 4 SWS)
M.SIA.UT-O-15: Technologies in Fruit and Wine Production (6 C, 6 SWS)
M.SIA.UT-O-16: Development Economics in Latin America (6 C, 5 SWS)
M.SIA.UT-O-23: Human Resources Management (6 C, 6 SWS)
M.SIA.UT-O-24M: Marketing in Agribusiness II (Marketing Research) (6 C, 6 SWS)
M.SIA.UT-O-25: Principles, Monitoring and Methods of Agricultural Projects Development Policies (6 C, 6 SWS)
M.SIA.UT-O-26: Agricultural Innovation and Extension (6 C, 6 SWS)

bb) Universitäten Kassel und Göttingen

Während ihres Studiensemesters an den Universitäten Kassel und Göttingen müssen die Studierenden aus dem folgenden Modulangebot Module absolvieren.

i) Pflichtmodule

Folgende drei Module im Umfang von insgesamt 18 C müssen erfolgreich absolviert werden.
M.SIA.E11: Socioeconomics of Rural Development and Food Security (6 C, 4 SWS)
M.SIA.I12: Sustainable International Agriculture: basic principles and approaches (6 C, 4 SWS)
M.WIWI-QMW.0004: Econometrics I (6 C, 4 SWS)

ii) Wahlpflichtmodule

Aus folgenden Modulen muss ein Wahlpflichtmodul im Umfang von 6 C erfolgreich absolviert werden.
M.SIA.E05M: Marketing research (6 C, 4 SWS)
M.SIA.E13M: Microeconomic Theory and Quantitative Methods of Agricultural Production (6 C, 4 SWS)
M.SIA.E14: Evaluation of rural development projects and policies (6 C, 4 SWS)

M.SIA.E18: Organization of food supply chains (6 C, 4 SWS)
M.SIA.E21: Rural Sociology (6 C, 4 SWS)
M.SIA.E24: Topics in Rural Development Economics I (6 C, 4 SWS)
M.SIA.E31: Strategic management (6 C, 4 SWS)
M.SIA.E33: Responsible and sustainable food business in global contexts (6 C, 4 SWS)
M.SIA.E34: Economic valuation of ecosystem services in developing countries (6 C, 4 SWS)
M.SIA.E36: Institutions and the food system (6 C, 4 SWS)
M.SIA.E37: Agricultural policy analysis (6 C, 4 SWS)

iii) Wahlmodule

Aus folgenden Modulen (oder den bislang nicht gewählten Wahlpflichtmodulen des Studienschwerpunkts) muss ein Wahlmodul im Umfang von insgesamt 6 C erfolgreich absolviert werden.
M.Forst.1512: International forest policy and economics (6 C, 4 SWS)
M.SIA.A07: Unconventional livestock and wildlife-management, utilization and conservation (6 C, 4 SWS)
M.SIA.A08: Socio-ecology in livestock production systems (6 C, 4 SWS)
M.SIA.A11: Tropical animal husbandry systems (6 C, 4 SWS)
M.SIA.A14: Organic livestock farming under temperate conditions (6 C, 4 SWS)
M.SIA.E02: Agricultural price theory (6 C, 4 SWS)
M.SIA.E06: International markets and marketing for organic products (6 C, 4 SWS)
M.SIA.E17M: Management and management accounting (6 C, 4 SWS)
M.SIA.E19: Market integration and price transmission I (6 C, 4 SWS)
M.SIA.I02: Management of (sub-)tropical landuse systems (6 C)
M.SIA.I03: Food quality and organic food processing (6 C, 4 SWS)
M.SIA.I07: International land use systems research - an interdisciplinary study tour (6 C, 8,5 SWS)
M.SIA.I11M: Free Project (6 C)
M.SIA.I14M: GIS and remote sensing in agriculture (6 C, 4 SWS)
M.SIA.I17: Sustainable diets (6 C, 6 SWS)
M.SIA.I21M: From conceptualisation to communication: key steps in empirical research (6 C, 4 SWS)
M.SIA.P05: Organic cropping systems under temperate and (sub)tropical conditions (6 C, 4 SWS)
M.SIA.P21: Energetic use of agricultural crops and field forage production (6 C, 4 SWS)
M.SIA.P22: Management of tropical plant production systems (6 C, 4 SWS)

cc) Masterarbeit

Durch die erfolgreiche Anfertigung der Masterarbeit werden 24 C erworben.

dd) Kolloquium zur Masterarbeit

Durch das erfolgreiche Absolvieren des Kolloquiums zur Master-Arbeit werden 6 C erworben.

2. Das Modulhandbuch wird um folgende Modulbeschreibungen ergänzt:

Georg-August-Universität Göttingen Universität Kassel/Witzenhausen **Modul M.SIA.A16 Livestock Breeding Programs** – Planning Procedures, Organization of Breeding Programs and International Case Studies	6 C 4 SWS
Learning outcome, core skills: Students will gain knowledge on breeding planning concepts and cycles as well as on definition of breeding goals. They know the gene flow method as basis for calculating genetic gain in breeding goal traits. Based on recommended literature and invited lectures by external breeding experts, students will be able to analyze European breeding strategies for practicability and applicability in developing countries of sub-/tropical regions. They will elaborate and present the application of breeding methods (pure-/crossbreeding) by selected case studies, and thereby gain an understanding of differences of the suitability of breeding methods for different livestock species. By active studying, skills to use planning approaches for pure- and crossbreeding programs in a production system context are acquired. International case studies (livestock species) will be selected based on students' preferences. Complementary literature will be provided to prepare for the lectures; it will be discussed during the lectures and in invited contributions of external breeding experts. The recommended literature should be read before the lecture to be used as a basis for joint discussions during lecture. Specific aspects will be deepened by the lectures and invited speakers, and questions of students are answered during lectures. The contents presented in the lectures will be complemented by selected topics that will be treated by the students in student seminars. In that way, every student has the possibility to study in more detail on one specific content/topic of the course. Independent acquiring of knowledge is learned. The aim of the student seminars is to sharpen the critical view and the attention for problems; to learn how to deal with literature and how to judge differing or contradictory statements; to develop/strengthen the ability of independent, profound, critical analysis and synthesis of literature, as well as the ability of presenting and discussing results of scientific research.	**Weekly lecture hours in total:** Attendance time: 60 h Self-study time: 120 h
Course: Livestock Breeding Programs – Planning Procedures, Organization of Breeding Programs and International Case Studies *Contents:* 1. Definition of breeding goals; 2. Purebreeding: Design of livestock breeding programs, gene flow method, estimation of genetic gain; 3. Crossbreeding: Parameter estimation, prediction of performance in crossbred animals 4. International case studies on organization and process of purebreeding in cattle, sheep and goats; herdbook breeding, nucleus breeding 5. International case studies on organization and process of crossbreeding: Presentation of species-specific breeding methods in crossbreeding – e.g. commercial crosses in pigs, stratified crossbreeding in sheep with vertical and horizontal integration 6. Structure and efficiency of pure-/crossbreeding programs for different livestock species and feasibility under marginal conditions	
Examination: Written exam (90 minutes, 70%) and oral seminar presentation (ca.	

20 minutes, 30%)	
Examination prerequisites: Knowledge of concepts for breeding planning and organization; knowledge of conventional and village (pure-/cross-)breeding schemes; insights into livestock breeding programs in Europe; ability to explain the problems associated with the implementation of breeding programs under marginal conditions	
Admission requirements: none	**Recommended previous knowledge:** Basic knowledge of animal breeding (BSc level) Basic knowledge of tropical animal agriculture (M.SIA.A11 or M.SIA.A08)
Language: English	**Person responsible for module:** PD Dr. Regina Rößler
Course frequency: Annually, SoSe (summer term); Witzenhausen	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:** 4
Maximum number of students: 15	
Additional notes and regulations: **Literature:** Literature will be provided to prepare for the lectures and the students' seminars.	

Georg-August-Universität GöttingenUniversität Kassel/Witzenhausen **Modul M.SIA.E45: Introduction to choice experiments in food economics**	6 C 4 SWS
Lernziele/Kompetenzen: Students experience the entire process of (choice) experimental practice in the field of social sciences, including its possibilities, limitations and interpretation of results Students learn how to identify and narrow down a research question into a testable hypothesis. Students learn how to test such a hypothesis by identifying control and treatment groups, the importance of power calculations, sampling design and analysis of data. Students improve their general understanding of the scientific practice, correct interpretation of scientific results and their contribution to (public) decision making. Students train their teamworking skills, through brainstorming exercises, discussions, self-organization and distribution of tasks of the team.	**Arbeitsaufwand:** Präsenzzeit: 55 Stunden Selbststudium: 125 Stunden
Lehrveranstaltung: Introduction to choice experiments in food economics (Blockveranstaltung, Übung) *Inhalte:* This module consists of two blocks. The first block concerns the introduction to choice experimental practice and the set-up of a small online experiment addressing a specific research question in the field of agricultural, food or nutrition economics. The second block concerns the analysis of the obtained data and interpretation of results. Students will work in groups of 4-5 students to identify and narrow down a research question in the field of agriculture, food or nutrition economics, learn how to translate a research question into a testable hypothesis, design the choice experiment, perform power calculations, and effectively launch the online survey. In the second part, the results of the survey will be analysed and each group will present the results, limitations and lessons learned.	4 SWS
Prüfung: Term Paper (max. 10 pages, 70%) and presentation (approx. 20 minutes, 30%) **Prüfungsanforderungen:**	

Short paper describing the set-up and execution of the experiment (70%), and presentation presenting the approach, results and limitations/lessons learned (30%), Students proof that they are capable of Identifying research question and developing a testable hypothesis Collaborate in groups to brainstorm, guide the discussion towards a practically implementable outcome, and implement the experiment Analyse, interpret and discuss experimental results	
Zugangsvoraussetzungen: Econometrics I (M.WIWI-QMW.004), M.SIA.E12M: Quantitative research methods in rural development economics Or a similar introduction to statistics or econometrics	**Empfohlene Vorkenntnisse:** Basic statistics/econometrics
Sprache: Deutsch, Englisch	**Modulverantwortliche[r]:** Prof. Dr. Liesbeth Colen
Angebotshäufigkeit: jedes Sommersemester; Göttingen	**Dauer:**
Wiederholbarkeit: zweimalig	**Empfohlenes Fachsemester:**
Maximale Studierendenzahl: 12	

Georg-August-Universität Göttingen Universität Kassel/Witzenhausen **Modul M.SIA.E44 International organic food market and marketing**	6 C 4 SWS
Learning outcome, core skills: Students • are able to describe international markets for organic food • know about international organic regulations • are able to outline the steps for developing a marketing strategy • know how to develop a marketing concept on international markets • acquire personal skills for oral and written presentations in teamwork.	**Weekly lecture hours in total:** Attendance time: 60 h Self-study time: 120 h
Course: International organic markets and marketing *Contents:* • Analysis of international markets for organic products • Organic regulations • Basics of food marketing for exporters • Oral and written presentation of marketing topic The course consists of a lecture (30 h) and a seminar (30 h).	
Examination: Oral examination (30min) 60%, oral presentation (20min) and written report (5p.) 40%	
Examination prerequisites: Successful presentation of the seminar paper	

Admission requirements:	**Recommended previous knowledge:**
Language: English	**Person responsible for module:** Prof. Dr. Katrin Zander
Course frequency: Annually, WiSe (winter term); Witzenhausen	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students:	30

Additional notes and regulations: **Literature:** Armstrong, G, Kotler, K., Opresnik, M.O. (2016): Marketing: An Introduction, 13th ed., Pearson, Harlow, UK. Hollensen, S., Opresnik, M.O. (2015): Marketing: A Relationship Perspective. Vahlen, Munich	

Georg-August-Universität Göttingen Universität Kassel/Witzenhausen **Modul M.SIA.I27 Wastewater treatment for agricultural reuse**	6 C 4 SWS
Learning outcome, core skills: The students gain basic knowledge in the field of sustainable water and environmental resource management in an international environmental and agricultural context. They understand basic principles of centralized and decentralized wastewater treatment technologies, technical and legal requirements for water reuse in agriculture, as well as relevant environmental impacts and nutrient recovery from wastewater streams. They develop the ability to analyze and evaluate water-related environmental impacts across system and compartment boundaries and to identify relevant nutrient and pollutant input pathways.	**Weekly lecture hours in total:** Attendance time: 60 h Self-study time: 120 h
Course: Wastewater Treatment for Agricultural Reuse *Contents:* Introduction to integrated management of natural water resources with a focus on water, energy and food security. Overview of water supply and consumption in different sectors, as well as the generation of wastewater. Basics of wastewater treatment in Europe and in countries of the global South. This includes technological concepts and processes, underlying mechanisms and legal and environmental requirements for wastewater treatment. Concepts and requirements for wastewater reuse in agriculture and resource recovery for sustainable water and resource management. Including legal, environmental, technical and associated health risks. Utilization of agricultural residual biomasses for the sustainable production of biochar and activated carbon for wastewater treatment and environmental applications to close material cycles and for a sustainable resource management. The course consists of a lecture (40 h), a seminar (10 h) and two excursions (10 h).	
Examination: Oral exam (20 min) or written exam (1,5h) 70 %; presentation (15 min + 2 side handout) 30 %	
Examination prerequisites: Successful presentation of the seminar paper	

Admission requirements:	**Recommended previous knowledge:**
Language: English	**Person responsible for module:** Dr.-Ing. Korbinian Kaetzl
Course frequency: Annually, SoSe (summer term); Witzenhausen	**Duration:** 1 Semester
Number of repeat examinations permitted:	**Recommended semester:**

twice	
Maximum number of students:	20
Additional notes and regulations: **Literature:** Levy, G. J., Fine, P., & Bar-Tal, A. (2011). Treated Wastewater in Agriculture - Use and Impacts on the Soil Environment and Crops. New York: John Wiley & Sons.; Lehmann, J., & Joseph, S. (Eds.). (2009). Biochar for Environmental Management. London: Earthscan.; Tchobanoglous, G., Burton, F. L., & Stensel, D. H. (2003). Wastewater engineering: Treatment and Reuse (4th ed.). New York: McGraw-Hill.; Wilhelm, S. (2008).	

Georg-August-Universität Göttingen Universität Kassel/Witzenhausen **Modul M.SIA.I27 Postharvest Technology**	6 C 4 SWS
Learning outcome, core skills: Students are able to understand Postharvest operations and can evaluate them in respect to loss reduction and quality aspects. They can select proper criteria for quality assurance and can decide fitting instrumentation for control purposes.	**Weekly lecture hours in total:** Attendance time: 60 h Self-study time: 120 h
Course: Postharvest technology (lecture and lab exercises) *Contents:* Basics of processing and storage of agricultural products (drying, cooling) Selection of machinery and process technology Quality assessment and respective instruments	
Examination: Oral examination (approx. 30 minutes)	
Examination prerequisites: Students are able to critically select process technology, chose instrumentation for process control and quality assessment, and they are able to interpret the measurements	

Admission requirements:	**Recommended previous knowledge:** Fundamentals of Physics, Basic course in Agricultural Engineering
Language: English	**Person responsible for module:** Prof. Dr. Oliver Hensel
Course frequency: Annually, SoSe (summer term); Witzenhausen	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	
Additional notes and regulations: **Literature:** - Hand-outs in lectures and exercises - Wild, Y. and R. Scharnow, Container Handbook, Vol. 3, German Insurance Association – GDV, Berlin, 2003	

Georg-August-Universität Göttingen Universität Kassel/Witzenhausen **Modul M.SIA.30M: Ecological Genetics**	6 C 4 SWS
Learning outcome, core skills: Students will get an understanding of the role of intraspecific (genetic) variation in managed and unmanaged ecosystems with a main focus on tropical ecosystems. They will be acquainted with the analysis of the dynamics of genetic diversity in space and time. They will be conscious of the role of genetic diversity for adaptation to changing environmental conditions including changes of land use and climate change, and they will understand methods to conserve plant genetic resources.	**Weekly lecture hours in total:** Attendance time: 60 h Self-study time: 120 h
Course: Ecological Genetics (Lecture, Exercise, Seminar) *Contents:* Fundamentals of genetics: inheritance, DNA structure and function. Evolution and evolutionary factors: Mutation, migration, drift, selection. Evolutionary adaptations. Population structure, measurement of genetic diversity within and among populations. Genetic diversity management in plant breeding. Human impacts on genetic diversity: breeding, land use change and global climate change. Conservation of plant genetic resources. Case studies: Genetic diversity patterns of tropical plants.	
Examination: Oral presentation (max. 30 minutes) with written outline (max. 4 pages) 60%; oral exam (15 minutes) 40% **Examination requirements:** Students prove that they have a sound understanding of • The role of intraspecific diversity in natural and managed ecosystems • Evolutionary factors shaping genetic diversity patterns • The temporal and spatial dynamics of genetic variation • Evolutionary adaptations to changing environmental conditions • Human impacts on genetic diversity • Conservation strategies for plant genetic resources	
Examination prerequisites: none	

Admission requirements: none	**Recommended previous knowledge:** Basics of molecular and general genetics
Language: English	**Person responsible for module:** Prof. Dr. Reiner Finkeldey
Course frequency: Annually, SoSe (summer term); Witzenhausen	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: Not limited	
Additional notes and regulations: **Literature:**	

Finkeldey, R. and H.H. Hattemer (2007) Tropical Forest Genetics. Springer, Berlin, Heidelberg, New York. 315 pages. Other literature will be introduced during the course.

Artikel 2 Übergangs- und Schlussbestimmungen

Studierende, die vor Inkrafttreten dieser Änderungsordnung ihr Studium begonnen haben, werden auf Antrag nach dieser Änderungsordnung geprüft.

Artikel 3 In-Kraft-Treten

Diese Änderungsordnung tritt nach ihrer Bekanntmachung in den Amtlichen Mitteilungen der Universität Göttingen und im Mitteilungsblatt der Universität Kassel in Kraft.

Witzenhausen, den

Die Dekanin des Fachbereichs Ökologische Agrarwissenschaften
Prof. Dr. Maria Finckh