

**MASTERS PROGRAMME: MASTERS IN AGRICULTURAL GEOGRAPHY**

<b>AGE 803</b>	<b>Agricultural Systems and Rural Land-Use</b>
Course content Including topics	Definitions, General overview and scope of Agricultural Geography; The different agricultural systems and their physical and ‘traditional’ land use bases. Spatial organization of farming types; Farmers management strategies in regard to the utilization of soils, labour and other inputs; Approaches of modernization or improvement of ‘traditional’ agricultural systems including extension, education and research; Agricultural changes and farmers’ perceptions, attitudes and response to planned agricultural development projects; Agricultural decision-making and crop choice procedures, economic behavioral approaches to agricultural decision-making
<b>AGE 804:</b>	<b>Agricultural Development Issues in Africa</b>
Course content Including topics	General overview of Agricultural Development issues such as government policy and agricultural marketing problems of organization and distribution of agricultural and food products (in Africa, in Kenya); Challenges and opportunities in Agricultural Development and Regional Food Security, underlying causes of food crisis in Africa; Geographical consequences of government intervention in agriculture; Agricultural and Economic Development; Policies and Agricultural Development; Evolution and impact of the global political economy on agricultural development; Land tenure and reforms and agricultural development with special emphasis on Kenya; Climate and Agriculture
<b>AGE 805:</b>	<b>Methods and Techniques of Agricultural Geography</b>
Course content Including topics	Application of theoretical considerations in empirical studies including decision-making techniques, such as game theoretic models, linear programming, regulation techniques, point score analysis, sentence completion and verandah story telling and repertory grid techniques aimed at gaining an insight into the working of agricultural land-use; Agricultural data sources and problems, land use classifications; remote sensing of land use; and problems of agricultural censuses.
<b>AGE 806:</b>	<b>Special Topics in Agricultural Geography</b>

Course content Including topics	Agriculture in the tropics, Special problems of Tropical Agriculture, African agricultural crisis and transformation; problems of precipitation and desertification, soils, pest infestation and crop diseases in tropical agriculture, per capita food production, population explosion and government infrastructure facilities; Sustainable Agricultural Production, Environmental Sustainability and agricultural systems; Case studies
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