Desert Research (Sde Boqer Campus)					
Course No.	Course Name	Lecturer	Credits	Day	Hours
Desert Studies					
AGRICULTURE AND BIOTECHNOLOGY					
001.2.2005	Plant Physiology under Stress	Prof. J. Ephrath	2	Sunday	09:15-11:00
001.2.2035	Crop Irrigation Regimes	Prof. N. Lazarovitch	3	Tuesday	15:15-18:00
001.2.2065	The Physiology and Metabolism of Fruits: Genetics Vs Environment	Dr. A. Fait	4	Tuesday	08:30-12:00
001.2.2021	Aquatic Animal Health	Prof. D. Zilberg	3	Thursday	08:30-11:00
001.2.2025/6/7	Practical Fish Disease Diagnosis (A)/(B)/(C)	Prof. D. Zilberg	1	Sunday	08:00-10:00
001.2.2028	Guided Reading on Economical Utilization of Food Industry Wastes as Aquaculture Feeds, Particularly in Arid lands	Prof. S. Appelbaum	2	Sunday	08:00-10:00
001.2.2073	Plant Breeding and Cytogenetics	Dr. N. Tel-Zur	2	Sunday	11:15-13:00
001.2.2037	Guided Reading on Stress Sensing in Plants	Prof. M. Sagi	2	Sunday	18:00-20:00
001.2.2043	Plant Stress Indications: Methods and Instrumentation	Prof. S. Rachmilevitch	2	Sunday	08:00-10:00
001.2.2049	Physiology, Reproduction and Use of Cactus Species	Dr. N. Tel-Zur	2	Wed	13:15-15:00
001.2.2051	Guided Reading on Lipid Metabolism in Microalgae	Prof. I. KhozinGoldberg	2	Sunday	08:00-10:00
001.2.2058	Survival Strategies of Annual Desert Plants	Prof. Y. Gutterman	2	Monday	13:15-15:00
001.2.2059	Carbon Metabolism and Photosynthesis in a Changing Environment	Prof. S. Rachmilevitch	2	Tuesday	13:15-15:00
001.2.2066	Metabolomics Laboratory	Prof. S. Fait	2	Sunday	08:00-10:00
001.2.2067	Understanding and Modeling of Agricultural Systems	Prof. J. Ephrath	2	Monday	15:15-17:00
001.2.2069	Lipid Biochemistry of Microalgae and Plants	Prof. I. KhozinGoldberg	3	Thursday	11:15-14:00
001.2.2071	Molecular Mechanism of Plant-Insect Interactions	Dr. V. Tzin	3	Monday	09:15-12:00
001.2.2288	Guided Reading in Factors Affecting Roots Development under Field	Prof. J. Ephrath	2	Sunday	18:00-20:00
001.2.2290	Guided Reading on Aquatic Animal Health	Prof. D. Zilberg	2	Monday	15:00-17:00
001.2.5005	Laboratory Methods for Environmental Studies	Prof. A. Gross	3	Sunday	08:00-10:00
001.2.1103	Introduction to Dryland Ecology	Dr. H. Hawlena	4	Wednesday	13:15-16:00
IRRIGATION AND PLANT ENVIRONMENT					
001.2.2005	Plant Physiology under Stress	Prof. J. Ephrath	2	Sunday	09:15-11:00
001.2.2035	Crop Irrigation Regimes	Prof. N. Lazarovitch	3	Tuesday	15:15-18:00
001.2.2204	Agricultural and Environmental Aspects in Soil Sciences	Dr. G. Arye	3	Wednesday	15:15-18:00
001.2.2067	Understanding and Modeling of Agricultural Systems	Prof. J. Ephrath	2	Monday	15:15-17:00
001.2.5005	Laboratory Methods for Environmental Studies	Prof. A. Gross	3	Sunday	08:00-10:00
001.2.5026	Nitrogen Transformations and Environmental Quality	Prof. A. Nejidat	2	Monday	09:15-11:00
SOLAR ENERGY AND THE ENVIRONMENTAL PHYSICS					
001.2.4012	Electro-Diffusion of Ions and Membrane Desalination Processes	Prof. I. Rubinstein	3	Sunday	08:00-10:00
001.2.4025	Heat Transfer	Prof. D. Feuermann	3	Tuesday	13:15-16:00
001.2.4027	Introduction to Geophysical Fluid Dynamic	Prof. Y. Ashkenazy	3	Monday	13:15-16:00

001.2.4031	Topics in Physico-Chemical Hydrodynamics and Electrodiffusion (A)	Prof. I. Rubinstein	2	Sunday	08:00-10:00
001.2.4033	Topics in Physico-Chemical Hydrodynamics and Electrodiffusion (B)	Prof. I. Rubinstein	2	Sunday	08:00-10:00
001.20.4034	Application of Symmetry Methods to Problems in Mathematical Physics - Continuation Course	Prof. G. Burde	3	Sunday	08:00-10:00
001.2.4036	Topics in Environmental Fluid Mechanics - B	Prof. G. Burde	3		
001.2.4046	Advanced Concepts in Photovoltaic Devices	Prof. E. Katz	3	Sunday	11:15-14:00
001.2.4047	Surface Science for the Environment	Dr. I. VisoliFisher	3	Monday	09:15-12:00
001.2.4051	Physical Optics	Dr. A. Niv	2	Wednesday	14:15-16:00
001.2.1103	Introduction to Dryland Ecology	Dr. H. Hawlena	4	Wednesday	13:15-16:00
ENVIRONMENTAL AND AQUATIC MICROBIOLOGY					
001.2.5005	Laboratory Methods for Environmental Studies	Prof. A. Gross	3	Sunday	08:00-10:00
001.2.0004	Vadose Zone Hydrology	Prof. N. Weisbrod	2.5	Sunday	10:15-13:00
001.2.0009	Physics of Bacterial Communities	Dr. A. Be'er	3	Monday	13:15-16:00
001.2.3086	Microbial Ecology	Dr. H. Hawlena	2	Thursday	08:30-11:30
001.2.2021	Aquatic Animal Health	Prof. D. Zilberg	3	Thursday	08:30-11:00
001.2.5012	Biodegradation Process of Synthetic Organic Compound in Water Soil	Prof. Z. Ronen	2	Thursday	10:15-12:00
001.2.5026	Nitrogen Transformations and Environmental Quality	Prof. A. Nejidat	2	Monday	09:15-11:00
001.2.5038	Water Sanitation	Prof. A. Gross	3	Thursday	12:15-15:00
001.2.5040	Soil Microbial Ecology (upon the request of at least 5 students)	Dr. E. Zaady	2	Tuesday	08:30-10:00
001.2.5060	Biological Processes in Wastewater Treatment	Prof. M. Herzberg	2	Thursday	15:15-17:00
001.2.5063	Lab-course: New Methods in Biofilm Characterization	Dr. E. Bar-Zeev	3	Sunday	08:00-10:00
001.2.5129	Rural Water Development (Field Trip) - Prerequisite: Course # 001-2-5029 Rural Water Development	Prof. N. Weisbrod	2	Sunday	08:00-10:00
001.2.0012	Selected Issues Related to Groundwater Hydrology: Quality & Quantity	Prof. D. Ronen	2		
001.2.1103	Introduction to Dryland Ecology	Dr. H. Hawlena	4	Wednesday	13:15-16:00
001.2.5034	Environmental Oriented Electrochemistry	Prof. Y. Oren	2	Thursday	08:30-10:00
001.2.5062	Microbial Sociology: From a Single Bacterium to Biofilm and Biofouling	Dr. E. Bar-Zeev	3	Monday	16:15-19:00
001.2.3045	Conservation Genetics	Dr. S. BarDavid	3	Tuesday	14:15-17:00
001.2.6002	Theory and Applications of Geographic Information Systems (GIS)	Dr. A. Peeters	3	Thursday	09:15-12:00
ENVIRONMENTAL STUDIES					
001.2.6057	Introduction to Research Methods	Dr. Y. Garb	3	Tuesday	14:30-17:30
001.2.6015	Research Methods in Desert Architecture	Prof. D. pearlmutter	2	Monday	08:30-10:00
001.2.6001	Building Design in the Desert	Prof. D. pearlmutter	2	Thursday	14:15-16:00
001.2.6002	Theory and Applications of Geographic Information Systems (GIS)	Dr. A. Peeters	3	Thursday	09:15-12:00
001.2.6023	Modern Bioclimatic Architecture	Prof. I. Meir	4	Tuesday	08:30-12:00
001.2.6037	Introduction to Statistics	Dr. Y. Garb	4	Sunday	08:00-11:00
001.2.6062	GIS and Spatial Analysis	Dr. Y. Garb	3	Sunday	08:00-11:00
Hydrology and Water Quality					
MICROBIOLOGY AND WATER QUALITY					

001.2.0003	Chemistry of Water	Dr. O. Nir	3	Wednesday	10:15-13:00
001.2.0004	Vadose Zone Hydrology	Prof. N. Weisbrod	2.5	Sunday	10:15-13:00
001.2.5005	Laboratory Methods for Environmental Studies	Prof. A. Gross	3	Sunday	08:00-10:00
001.2.5060	Biological Processes in Wastewater Treatment	Prof. M. Herzberg	2	Thursday	15:15-17:00
001.2.0009	Physics of Bacterial Communities	Dr. A. Be'er	3	Monday	13:15-16:00
001.2.0012	Selected Issues Related to Groundwater Hydrology: Quality & Quantity	Prof. D. Ronen	2		
001.2.0015	Membrane Preparation and Characterization	Dr. R. Bernstein	3	Tuesday	13:15-16:00
001.2.0021	Biomimetic Innovation Approaches	Dr. C. Arnusch	2	Tuesday	16:00-17:45
001.2.4031	Topics in Physico-Chemical Hydrodynamics and Electrodiffusion (A)	Prof. I. Rubinstein	2	Sunday	08:00-10:00
001.2.4033	Topics in Physico-Chemical Hydrodynamics and Electrodiffusion (B)	Prof. I. Rubinstein	2	Sunday	08:00-10:00
001.2.5006	Migration Processes in the Unsaturated Zone of Soil	Prof. A. Yakirevitch	3	Tuesday	10:15-13:00
001.2.5012	Biodegradation Process of Synthetic Organic Compound in Water Soil	Prof. Z. Ronen	2	Thursday	10:15-12:00
001.2.5026	Nitrogen Transformations and Environmental Quality	Prof. A. Nejidat	2	Monday	09:15-11:00
001.2.5034	Environmental Oriented Electrochemistry	Prof. Y. Oren	2	Thursday	08:30-10:00
001.2.5038	Water Sanitation	Prof. A. Gross	3	Thursday	12:15-15:00
001.2.5040	Soil Microbial Ecology (upon the request of at least 5 students)	Dr. E. Zaady	2	Tuesday	08:30-10:00
001.2.5062	Microbial Sociology: From a Single Bacterium to Biofilm and Biofouling	Dr. E. Bar-Zeev	3	Monday	16:15-19:00
001.2.5063	Lab-course: New Methods in Biofilm Characterization	Dr. E. Bar-Zeev	3	Sunday	08:00-10:00
001.2.6002	Theory and Applications of Geographic Information Systems (GIS)	Dr. A. Peeters	3	Thursday	09:15-12:00
001.2.5129	Rural Water Development (Field Trip) - Prerequisite: Course # 001-2-5029 Rural Water Development	Prof. N. Weisbrod	2	Sunday	08:00-10:00
WATER RESOURSES					
001.2.0003	Chemistry of Water	Dr. O. Nir	3	Wednesday	10:15-13:00
001.2.0004	Vadose Zone Hydrology	Prof. N. Weisbrod	2.5	Sunday	10:15-13:00
001.2.5004	Field Methods in Hydrology	Prof. O. Dahan	3	Sunday	16:15-19:00
001.2.5005	Laboratory Methods for Environmental Studies	Prof. A. Gross	3	Sunday	08:00-10:00
001.2.5060	Biological Processes in Wastewater Treatment	Prof. M. Herzberg	2	Thursday	15:15-17:00
001.2.0012	Selected Issues Related to Groundwater Hydrology: Quality & Quantity	Prof. D. Ronen	2		
001.2.0015	Membrane Preparation and Characterization	Dr. R. Bernstein	3	Tuesday	13:15-16:00
001.2.0021	Biomimetic Innovation Approaches	Dr. C. Arnusch	2	Tuesday	16:00-17:45
001.2.0027	Flow in streams: Theory and practice	Dr. S. Arnon	1	Sunday	09:15-10:00
001.2.4036	Topics in Environmental Fluid Mechanics - B	Prof. G. Burde	3		
001.2.5006	Migration Processes in the Unsaturated Zone of Soil	Prof. A. Yakirevitch	3	Tuesday	10:15-13:00
001.2.5026	Nitrogen Transformations and Environmental Quality	Prof. A. Nejidat	2	Monday	09:15-11:00
001.2.5034	Environmental Oriented Electrochemistry	Prof. Y. Oren	2	Thursday	08:30-10:00
001.2.5038	Water Sanitation	Prof. A. Gross	3	Thursday	12:15-15:00
001.2.5063	Lab-course: New Methods in Biofilm Characterization	Dr. E. Bar-Zeev	3	Sunday	08:00-10:00
001.2.6002	Theory and Applications of Geographic Information Systems (GIS)	Dr. A. Peeters	3	Thursday	09:15-12:00

001.2.5129	Rural Water Development (Field Trip) - Prerequisite: Course # 001-2-5029 Rural Water Development	Prof. N. Weisbrod	2	Sunday	08:00-10:00
DESALINATION AND WATER TREATMENT					
001.2.0003	Chemistry of Water	Dr. O. Nir	3	Wednesday	10:15-13:00
001.2.5038	Water Sanitation	Prof. A. Gross	3	Thursday	12:15-15:00
001.2.5060	Biological Processes in Wastewater Treatment	Prof. M. Herzberg	2	Thursday	15:15-17:00
001.2.0009	Physics of Bacterial Communities	Dr. A. Be'er	3	Monday	13:15-16:00
001.2.0012	Selected Issues Related to Groundwater Hydrology: Quality & Quantity	Prof. D. Ronen	2		
001.2.0015	Membrane Preparation and Characterization	Dr. R. Bernstein	3	Tuesday	13:15-16:00
001.2.0021	Biomimetic Innovation Approaches	Dr. C. Arnusch	2	Tuesday	16:00-17:45
001.2.0032	Advanced Chemistry in Water Technologies	Dr. C. Arnusch	2	Sunday	13:15-16:00
001.2.5004	Field Methods in Hydrology	Prof. O. Dahan	3	Sunday	16:15-19:00
001.2.5006	Migration Processes in the Unsaturated Zone of Soil	Prof. A. Yakirevitch	3	Tuesday	10:15-13:00
001.2.5012	Biodegradation Process of Synthetic Organic Compound in Water Soil	Prof. Z. Ronen	2	Thursday	10:15-12:00
001.2.5034	Environmental Oriented Electrochemistry	Prof. Y. Oren	2	Thursday	08:30-10:00
001.2.5063	Lab-course: New Methods in Biofilm Characterization	Dr. E. Bar-Zeev	3	Sunday	08:00-10:00
001.2.5040	Soil Microbial Ecology (upon the request of at least 5 students)	Dr. E. Zaady	2	Tuesday	08:30-10:00
001.2.5062	Microbial Sociology: From a Single Bacterium to Biofilm and Biofouling	Dr. E. Bar-Zeev	3	Monday	16:15-19:00
001.2.5064	Unit operations in water treatment processing	Prof. J. Gilron and Dr. O. Nir	2		
001.2.6002	Theory and Applications of Geographic Information Systems (GIS)	Dr. A. Peeters	3	Thursday	09:15-12:00
001.2.5129	Rural Water Development (Field Trip) - Prerequisite: Course # 001-2-5029 Rural Water Development	Prof. N. Weisbrod	2	Sunday	08:00-10:00
001.2.1103	Introduction to Dryland Ecology	Dr. H. Hawlena	4	Wednesday	13:15-16:00
Ecology, Conservation and Management					
001.2.3037	Tutorial in Evolution	Prof. A. Novoplansky	2	Wednesday	18:00-20:00
204.1.1543	General Chemistry - Laboratory	Dr. B. Akabayov	2	Sunday	08:00-12:00
		Dr. D. Piners		Sunday	12:00-16:00
		Dr. I. Zilberman-Sorin		Wednesday	14:00-18:00
		Prof. Y. Miller		Tuesday	08:00-12:00
		Prof. D. Lukatsky		Tuesday	11:00-15:00
205.1.1221	Plant Science A	Prof. K. Kashkush	2	Monday	10:00-12:00
205.1.1223	Plant Sciences A Laboratory	Prof. K. Kashkush	1.5	Tuesday	09:00-12:00
		Dr. Y. Brotman		Tuesday	09:00-12:00
		Mr. A. Cohen		Tuesday	12:30-15:30
		Dr. Y. Brotman		Tuesday	12:30-15:30
205.2.2523	Workshop in Ecology and Environmental Sciences	Dr. I. Giladi	1	Monday	12:00-14:00
001.2.3084	Evolutionary Ecology. Prerequisite: Ecology B, Evolution	Prof. B. Kotler	3	Tuesday	14:15-17:00
001.2.3020	The Ecology of Plant Animal Interaction	Dr. M. Seifan	3	Monday	09:00-12:00
001.2.3082	Ecology and Evolution of Dispersal	Dr. I. Giladi	3	Wednesday	15:15-18:00

001.2.3086	Microbial Ecology	Dr. H. Hawlena	2	Tuesday	08:30-11:30
001.2.3091	Contemporary Topics in Israeli Nature Conservation –Workshop	Dr. M. Seifan	3		
001.2.3045	Conservation Genetics	Dr. S. BarDavid	3	Tuesday	14:15-17:00
001.2.3023	Echolocation and Bat-Insect Interactions in Desert Habitats	Prof. C. Korine,	3	An intensive course offered	
001.2.3034	Vegetation Ecology	Prof. B. Boeken	3	Wednesday	08:30-11:00
001.2.3040	Biogeography	Dr. G. Shenbrot	2	Wednesday	08:30-11:00
001.2.3041	Topics in Ecology	Prof. B. Kotler	2	Wednesday	12:15-14:00
001.2.3092	Animal Cognition and Conservation Biology	Dr. O. BegerTal	3	A Two-Week Intensive cours	
001.2.3093	Arthropod Behavior and Agroecology	Prof. Y. Lublin	2		
001.2.3355	Guided Reading in Microbial Ecology	Dr. H. Hawlena	2		
001.2.3388	Analysis of Encounter Data from Marked Animal Population	Prof. David Saltz	2		
205.2.2281	Behavioral Ecology of Equids - Class	Lecture- Prof. A. Bouskila	3	Thursday	12:00-14:00
		Exercise- Prof. A. Bouskila			14:00-16:00
205.2.7032	Solving Problems with R	Lecture- Prof. A. Bouskila	1	Sunday	12:00-14:00
		Exercise- Mr. E. Farhi			16:00-18:00
001.2.6002	Theory and Applications of Geographic Information Systems (GIS)	Dr. A. Peeters	3	Thursday	09:15-12:00