



Northeastern University Dialogue of Civilizations

Arava Institute, Kibbutz Ketura & Center for Creative Ecology, Kibbutz Lotan

While in the USA before the course in Israel, these following sessions / lectures will take place:

| Date / time | Session | Lecturer |
|------------------------------|---|--|
| Thu, April 13th, 6:00pm | Introduction to DOC and Presentation of research projects | Becky Rosengaus |
| Sun, April 16, 11am / 18:00 | Virtual meet-n-greet with Arava Institute students - 45 minute panel facilitated by Becky | Maya (Palestine), Angelina (Germany), Michael (Israel) |
| Sun, April 23, 11am / 18:00 | History of Kibbutz life - video from Mark + presentation - 45 minutes facilitated by Becky | Moshe Falkoff + Mark Naveh |
| Mon, May 8, 9am/16:00 | Introduction to Resource Geopolitics. Struggle to save the Samar sand dunes of the southern Israel – a personal story | David Lehrer |
| Mon, May 8, 1:30pm/20:30 | Desert Ecology: Intro | Becky Rosengaus |
| Tues, May 9, 9am/16:00 | Classical Geopolitics: The geographical pivot of Eurasia – the world is a closed system. Critical Geopolitics: Feminist Geopolitics, examining politics at scales other than the Nation-State. | David Lehrer |
| Wed, May 10, 10am/17:00 | Desert Ecology: Principles, Structure and Function | Elli Groner |
| Thurs, May 11, 1:30pm/20:30 | Animal adaptations to a harsh desert environment | Becky Rosengaus |
| Mon, May 15, 9am/16:00 | Environmental Geopolitics: The Age of the Anthropocene. Discourse, Practice, and Representation: The West and the Rest. | David Lehrer |
| Mon, May 15, 1:30pm/20:30 | Animal/Plant adaptations to a harsh desert environment | Becky Rosengaus |
| Tues, May 16, 10am/17:00 | The Three Ages of Geopolitics; Civilizational Geopolitics, Naturalized Geopolitics, Ideological Geopolitics | David Lehrer |
| Wed, May 17, 1:30am/20:30 | Plant adaptations to a harsh desert environment - continued | Becky Rosengaus |
| Thurs, May 18, 11:30am/18:30 | Project explanations: each facilitator for 10 minutes | Mark Naveh |

In Israel:

| Date / time | Session | Lecturer |
|--------------------------------|--|---|
| Monday, 22 May, 2023 | | |
| 9:55 AM | Arrival in Israel (some students arriving shortly after) | United 84 |
| 11:30 AM | Bus from airport to hotel | |
| | Free day in Tel Aviv | |
| Overnight | Spot Hostel Tel Aviv | |
| Tuesday, 23 May, 2023 | | |
| | Breakfast in hostel | |
| 8:30 AM | Depart Tel Aviv | |
| 1:00 PM | Stop at Har Ayt for an overview of the Arava on the way south | Mark Naveh |
| 1:30 PM | Arrival in Ketura, drop bags off in the Blue Room | |
| 1:30 AM | Lunch | Yotvata |
| 2:30 PM | Welcome and introductions | Gal Nakdimon / Illana Leizin / Mark Naveh |
| 3:30 PM | Program logistics | Mark Naveh & Illana Leizin |
| 4:00 PM | Intro to the Arava Institute | Cathie Granit |
| 4:30 AM | Check into guest house | Michelle Shachar |
| 5:30 PM | Tour of Kibbutz Ketura | Michelle Shachar |
| 6:45 PM | Dinner in the kibbutz dining hall | |
| 7:30 PM | Talking to "the other" - what we do at the Arava Institute | Lior Yom Tov |
| | Daily reflection | |
| Wednesday, 24 May, 2023 | | |
| 7:00 AM | Training for students on stranglevine project - 2 students | Jessica Schackermann |
| 8:00 AM | Breakfast in the Great Hall | |
| 9:00 AM | Does nature know borders? | Rina Kedem |
| 11:00 AM | Intro and update on Israeli current affairs | Gal Nakdimon |
| 12:00 PM | Lunch | |
| 1:00 PM | 'The Greater Good', Sacrifice Zones and the "Resource Curse". Mid-Term Exam review | David Lehrer |
| 4:00 PM | Kibbutz "Toranut" - help prepare for the holiday of Shavuot, make cheesecakes in the kitchen / free time | |
| 6:00 PM | Dinner | |
| 7:00 PM | Kibbutz Values and Practice – interactive session | Leah Kayman |

| Thursday, 25 May, 2023, Shavuot Evening | | |
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| 8:00 AM | Housekeeping in your rooms - clearing bins and refreshing coffee etc. | |
| 8:00 AM | Breakfast in the Great Hall | |
| 9:00 AM | Desert management and ecosystem services | Elli Groner |
| 10:00 AM | Break | |
| 11:00 AM | Desert Ecosystem integrity | Elli Groner |
| 12:00 PM | DPSIR | Elli Groner |
| 1:00 PM | Lunch in the dining hall | |
| 2:00 PM | Intro to Judaism + Shabbat on Ketura/ Shavuot lesson | R. Adam Berman |
| 3:00 AM | Free time | |
| 3:00 PM | Kibbutz "Toranut" - help decorate the dining hall for Shavuot | |
| 4:15 PM | Shavuot activities: flower weaving, crafts, photo station and more | |
| 5:45 PM | Shavuot ceremony | |
| 7:00 PM | Special Shavuot dinner | |
| 9:00 PM | Optional: Shavuot services | |
| 9:30 PM | Night-time "Tikkun" - Shavuot studies, English sessions available | |
| Friday, 26 May, 2023, Shavuot | | |
| 8:00 AM | Breakfast in the Great Hall. Pack your Saturday breakfast | |
| 9:00 AM | Optional: Shavuot services | |
| 10:00 AM | Help with Shavuot prep - 3-4 people cutting veg in the kitchen | |
| 12:00 PM | Special Shavuot meal | |
| 1:00 AM | Intro to Zionism | Bill Slott |
| 2:00 AM | Free time | |
| 4:00 PM | Shavuot pool games and cafe | |
| 6:30 PM | Optional: Sabbath services | |
| 7:30 PM | Dinner | |
| 8:15 PM | Art exhibit - Marla Slott's work inspired by biblical stories | |
| Saturday, 27 May, 2023 | | |
| | FREE DAY | |
| Sunday, 28 May, 2023 | | |
| 6:30 AM | Training for bat house temperature data collection, 2-3 hours (packed breakfast), 2-3 students | Margie Wanjiku (Jessica's intern) |
| 8:00 AM | Breakfast in the Great Hall | |
| 9:30 AM | Tour of the off-grid village | Reut Parnes |
| 10:30 AM | Intro to Renewable Energy | Tali Zohar |
| 12:00 PM | Lunch | |
| 1:00 PM | Global Resource Geopolitics - Midterm exam. Tragedy of the Commons: Understanding the consequences of unhindered resource extraction. | David Lehrer |
| 4:30 PM | Water as the basis for life | Clive Lipchin |
| 6:00 PM | Bring dirty laundry to the kibbutz laundry | Illana Leizin |
| 7:00 PM | BBQ dinner and night swimming | (with another group) |
| Monday, 29 May, 2023 | | |
| | | TOUR DAY |
| 7:30 AM | Breakfast in the Great Hall | |
| 8:00 AM | Housekeeping in your rooms till 12:00 - changing linens and towels. Leave tidy and clear! | |
| 8:15 AM | Depart to Yotvata: | |
| 8:30 AM | Tour of agricultural R&D center: using greywater systems and water monitoring | Motti Harari |
| 10:00 AM | Explanation and tour of DSASC / Renewable Energy center, lecture about Evrona oil spill | Nitzan Segev |
| 12:00 PM | Nof Edom school - interactive learning about the environmental regional school | Fanny Gilat + kids in the school environmental program |
| 1:15 PM | Lunch + ice cream at Yotvata | |
| 2:30-3:30 PM | Evrona and Environmental activism | Tal Holzman |
| 5:30 PM | Workout | Susie Kessler |
| 6:00 PM | Pick up clean laundry from the kibbutz laundry | |
| 6:30 PM | Dinner | |
| 7:30 PM | Meet-n-greet with students - juggling workshop | Nadav Solowey |
| Tuesday, 30 May, 2023 | | |
| 6:30 AM | Training for bat house temperature data collection, 2-3 hours (packed breakfast), 2-3 students | Margie Wanjiku (Jessica's intern) |
| 7:30 AM | Breakfast in the Great Hall | |
| 8:30 AM | Environmental ethics + environmental education | Ofer Margalit |
| 11:30 AM | Environmental activism: small, slow, sustainable | Illana Leizin |
| 12:30 PM | Lunch in the dining hall | |
| 2:00 PM | Workout - water aerobics in the pool | Susie Kessler |
| | Micro-algae project -- students to meet with Yair at R&D lab 14:00 - 16:00 | |
| | Tracking project -- students to meet with Nitzan at Hub lab 14:30 - 15:30 | |
| | Free time / project work / pool open | |
| 4:30 PM | Environmental Conflict Resolution: The environment as a cause and a victim of conflict. | David Lehrer |
| 6:00 PM | Dinner in the dining hall (quickly!) | |
| 6:30 PM | Population Growth: The carrying capacity of the planet. | David Lehrer & Alon Tal |
| | Movie night (for Global Resources class): Who Framed Roger Rabbit? | |

| Wednesday, 31 May, 2023 | | TOUR DAY |
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| 6:30 AM | Tour of the fields | Noah Marthinsen |
| 8:00 AM | Housekeeping in your rooms - clearing bins and refreshing coffee etc. | |
| 8:30 AM | Breakfast in the Great Hall | with Mark |
| 9:30 AM | Depart south | with Mark |
| 10:00 AM | Hai Bar - Oryx feeding and tour | Arik Sucar |
| 11:30 AM | Depart to Eilat | with Mark |
| 12:30 PM | Lunch in Eilat | Aroma |
| 1:30 PM | Underwater Observatory – learn about underwater biospheres + free time in the observatory | Omer Polak with Mark |
| 3:30 PM | Coral Beach snorkeling | |
| 5:00 PM | Return to Ketura | |
| | Free time - pool open from 2pm / project work | |
| 6:00 PM | Dinner | |
| 7:00 PM | Ketura microbrewery tour | Neil Churgin |
| 8:00 PM | Kibbutz "Toranut" - help set up tables for the wedding | |
| Thursday, 1 June, 2023 | | |
| 7:30 AM | Breakfast in the Great Hall | |
| 8:00 AM | Case study: Cobalt & the Democratic Republic of the Congo, how mineral extraction improves and destroys communities in the Congo, the role of the government and the role of international corporations. International Governance: Challenges and solutions to responsible resource management in a global economy. | David Lehrer |
| 12:00 PM | Lunch | |
| 1:00 PM | What to expect at a Jewish wedding | R. Adam Berman |
| 1:30 PM | Ecosystem services in agriculture | Jessica Schackermann |
| 2:30 PM | Kibbutz "Toranut" - help lay and decorate tables for the wedding | |
| | Ketura wedding evening! | |
| 6:00 PM | Fancy dinner in the dining hall | |
| 7:45 PM | Wedding ceremony in the pub | |
| | Party in the pub | |
| Friday, 2 June, 2023 | | TOUR DAY |
| 8:00 AM | Housekeeping in your rooms till 12:00 - changing linens and towels. Leave tidy and clear! | |
| 8:30 AM | Breakfast in the Great Hall | |
| 9:45 AM | Bus to Neot Smadar | |
| 10:00 AM | Neot Smadar tour: Artists' Building and desert winery | Neot Smadar |
| 11:30 AM | Optional coffee and ice cream Neot Smadar | Neot Smadar |
| 12:30 PM | Return to Ketura and Lunch | |
| | Free time | |
| 6:30 PM | Optional: Sabbath services | |
| 7:30 PM | Dinner | |
| Saturday, 3 June, 2023 | | |
| | FREE DAY | |
| Sunday, 4 June, 2023 | | |
| 7:00 AM | Breakfast in the Great Hall | |
| 8:00 AM | Housekeeping in your rooms - clearing bins and refreshing coffee etc. | |
| 8:00 AM | History of Oil and its impact on the shape of the world we live in. Tar Sands, Pipelines and Fracking. | David Lehrer |
| 11:00 AM | Break | |
| 12:00 PM | Lunch | |
| 1:00 PM | Regional ecology policy | Tal Polack |
| 3:00 PM | Workout - water aerobics in the pool | Susie Kessler |
| 4:30 PM | Desert soils | Jawad Hasan Shoqeir |
| 6:00 PM | Bring dirty laundry to the kibbutz laundry | |
| 6:30 PM | Dinner | |
| Monday, 5 June, 2023 | | |
| 8:00 AM | Breakfast + pick up clean laundry | |
| 9:00 AM | Keys to a Clean Energy Future: History, Applications, and Production. Harvesting the Dead Sea – The dilemma of the commons. | David Lehrer |
| 12:00 PM | Lunch | |
| 1:00 PM | Agriculture in the Desert: Physiological and Economic Challenges | Noah Marthinsen |
| 2:30 PM | Social innovation and energy transition | Jozsef Kadar |
| 3:30 PM | Applying DOC lessons at home | Nathalie Reeder |
| | Free time - pool open - PACK ALL YOUR BELONGINGS + overnight bag | |
| 6:30 PM | Dinner in dining room | |
| 8:00 PM | Scorpion Safari - bring closed shoes and long pants | Nadav Solowey |

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| Tuesday, 6 June, 2023 | | |
| 6:30 AM | Breakfast in the Great Hall + check out of Ketura | |
| 7:15 AM | Depart to field trip | |
| 9:30 AM | Tour of Ashalim solar tower in the Northern Negev | |
| 11:30 AM | Return to Mitzpe Ramon | |
| 12:15 | Desert heterogeneity | Elli Groner |
| 1:30 PM | Lunch in Mitzpe Ramon - Soul restaurant + wander around the artist's quarter | |
| 3:00 PM | Conservation and settlement regime in the Negev | Miri Lavi Neeman |
| 4:00 PM | Continue to Wadi Aricha | |
| 5:00 PM | Wadi Aricha: Bedouin entrepreneurship | Salman Sadan & Miri Lavi Neeman |
| 6:30 PM | Bedouin dinner | |
| Overnight | Bedouin tent | |
| Wednesday, 7 June 2023 | | |
| 7:00 AM | Breakfast at the Bedouin tent | |
| 8:30 AM | Depart Wadi Aricha | |
| 9:30 AM | Walk to the amonite wall + hike up the Machtesh | |
| 10:30 AM | Gvanim walk about | |
| 12:30 PM | Depart to Lotan | |
| 1:30 PM | Arrive to Lotan, check-in to the EcoCampus, lunch | |
| 3:00 AM | Opening circle, introduction to the program on Lotan | |
| | Orientation to the Eco-Campus and Lotan | |
| | Introduction to natural building: Advantages and principles of building with earth. Mixing mud and making sun-dried mud (adobe) bricks | Natural Building 1 |
| 6:00 PM | Dinner | |
| Thursday, 8 June 2023 | | |
| 6:30 AM | Construction using recycled and natural materials part one: Start of on-going earth building project using tires, mud & trash | Natural Building 2 |
| 8:30 AM | Breakfast | |
| 9:30 AM | Campus maintenance | |
| 10:00 AM | Roots of the crisis and the holistic worldview | Regenerative Community 1 |
| 12:30 PM | Lunch | |
| | Project work/ pool time | |
| 3:00 PM | Sustainable cooking systems: Solar ovens, rocket stoves, thermal mass ovens | Alternative technologies 1 |
| 5:00 PM | Dinner team meet | |
| 6:00 PM | Dinner | |
| 8:00 PM | Israeli folk-dancing | |
| Friday, June 9 2023 | | |
| 6:30 AM | Principles of sustainable agriculture. Introduction to composting - making soil the way the forest does | Sustainable Agriculture 1 |
| 8:30 AM | Breakfast | |
| 9:30 AM | Campus maintenance | |
| 10:00 PM | Introduction to Permaculture: The three ethics and the 10 principles | Ecological Design 1 |
| 12:30 PM | Lunch | |
| | Project work/ pool time | |
| 6:00 PM | Community welcoming Shabbat service (optional) | |
| 7:00 PM | Dinner | |
| 8:00 PM | Tea and cake in the moadon | |
| Saturday, June 10 2023 | | |
| | Free day. Pool open 10am-6pm | |
| 8:30 AM | Breakfast | |
| 12:30 PM | Lunch | |
| 6:30 PM | Dinner | |
| Sunday, June 11 2023 | | |
| 6:30 AM | Sustainable agriculture 2 | Sustainable Agriculture 4 |
| 8:30 AM | Breakfast | |
| 9:30 AM | Campus maintenance | |
| 10:00 PM | Environmental leadership 1 | Regenerative Community 2 |
| 12:30 PM | Lunch | |
| | Project work/ pool time | |
| 3:00 PM | The Ecology of Community | Regenerative Community 4 |
| 5:00 PM | Dinner team meet | |
| 6:00 PM | Dinner | |
| 7:30 PM | Eco-Cinema: Fresh | |

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| Monday, June 12 2023 | | |
| 6:30 AM | Sustainable agriculture 3 | Sustainable Agriculture 5 |
| 8:30 AM | Breakfast | |
| 9:30 AM | Campus maintenance | |
| 10:00 AM | The Problem of Growth | Regenerative Community 3 |
| 12:30 PM | Lunch | |
| | Project work/ pool time | |
| 3:00 PM | Principles and techniques of earth building using examples from around the world | Natural Building 4 |
| 5:00 PM | Dinner team meet | |
| 6:00 PM | Dinner | |
| 7:30 PM | Activity with Debby | |
| | Scorpion search - 2-3 people | |
| Tuesday, June 13 2023 | | TOUR DAY |
| 6:30 AM | Depart to Eilat minibus | |
| | Bird sanctuary: | Noam Weiss |
| 7:00 AM | Ringling birds | |
| 8:30 AM | Packed breakfast | |
| 9:15 AM | Explanation about migration in the region and migration conservation | |
| 11:00 AM | Bird adaptations to desert life | |
| 12:00 PM | Lunch at the bird sanctuary | |
| 1:00 PM | Eilat Botanical Gardens tour | Gardens guide |
| 2:30 PM | Free time in Eilat | |
| 5:00 PM | Return to Lotan, dinner team meet | |
| 6:00 PM | Dinner | |
| 7:30 PM | Scorpion search - 2-3 people | |
| Wednesday, June 14 2023 | | |
| 6:30 AM | Seeds and seed saving | Sustainable Agriculture 2 |
| 8:30 AM | Breakfast | |
| 9:30 AM | Campus maintenance | |
| 10:00 AM | Project work | |
| 1:00 PM | Lunch | |
| 2:15 PM | Sacred Activism | |
| 3:45 PM | Project work/ pool time | |
| 5:00 PM | Dinner team meet | |
| 6:00:00 PM | Dinner | |
| 7:30 PM | Art workshop with JP | |
| | Scorpion search - 2-3 people | |
| Thursday, June 15 2023 | | |
| 6:30 AM | Continuation of earth building project | Natural Building 6 |
| 8:30 AM | Breakfast | |
| 9:30 AM | Campus maintenance | |
| 10:00 PM | Community case study: the development and change on Lotan | Regenerative Community 6 |
| 1:00 PM | Lunch | |
| 3:00 PM | Localization, the Economics of Happiness, Community Empowerment | Regenerative Community 8 |
| 5:00 PM | Dinner team meet | |
| 6:00 PM | Dinner | |
| 7:30 PM | Israeli folk-dancing | |
| Friday, June 16 2023 | | TOUR DAY |
| 6:30 AM | Timna Park tour | |
| 8:30 AM | Packed breakfast at Timna | |
| 12:30 PM | Lunch | |
| 13:30 | Spirituality and sustainability | |
| | Project work/ pool time | |
| 6:00 PM | Community welcoming Shabbat service (optional) | |
| 7:00 PM | Dinner | |
| 8:30 PM | Tea and cake in the moadon | |
| Saturday, June 17 2023 | | |
| | Free day. Pool open 10am-6pm | |
| 8:30 AM | Breakfast | |
| 12:30 PM | Lunch | |
| 6:30 PM | Dinner | |
| Sunday, June 18 2023 | | |
| 6:30 AM | Continuation of earth building project | Natural Building 7 |
| 8:00 AM | Breakfast | |
| 8:45 AM | Campus maintenance | |
| 9:30 AM | Student Presentations - global resource geopolitics course | David Lehrer |
| 1:00 PM | Lunch | |
| | Project work/ pool time | |
| 3:00 PM | Case study: Evolution of the Eco-Campus | Ecological Design 2 |
| 5:00 PM | Daily reflection | |
| 6:30 PM | Dinner | |
| | Debby evening walk to dunes and picnic dinner or yoga | |

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| Monday, June 19 2023 | | |
| 6:30 AM | Continuation of earth building project | Natural Building 8 |
| 8:30 AM | Breakfast | |
| 9:30 AM | Campus maintenance | |
| 10:00 AM | Environmental leadership 2 | Regenerative Community 9 |
| 1:00 PM | Lunch | |
| | Project work/ pool time | |
| 3:30 PM | Bioregions, Ecovillages and Transition Towns. Drawing it all together, summation | Regenerative Community 10 |
| 5:30 PM | Daily reflection | |
| 6:00 PM | Dinner | |
| 7:30 PM | Tarot with Sinead | |
| Tuesday, June 20 2023 | | |
| 6:30 AM | Collecting rainwater from the landscape, swales, terraces and contours | Sustainable Agriculture 3 |
| 8:30 AM | Breakfast | |
| 9:30 AM | Campus maintenance | |
| 10:00 AM | Final presentations of projects | |
| 1:00 PM | Lunch- dining room | |
| | Pool time | |
| 3:30 PM | Closing circle | |
| 5:30 PM | Daily reflection | |
| 6:00 PM | Dinner | |
| | Desert evening celebration: drums and fire | |
| Wednesday, June 21 2023 | | |
| 06:30 | Final campus clean-up | |
| 08:00 | Breakfast | |
| | Depart Lotan to Jerusalem | |
| 10:00 AM | Swim in the Dead Sea | |
| | Lunch in the Dead Sea | |
| 1:30 PM | Arrive to Jerusalem | |
| | Tour of the Old City of Jerusalem | |
| Overnight | Post Hostel Jerusalem | |
| Thursday, June 22 2023 | | |
| | Breakfast in the hostel | |
| 7:00 AM | Head to Ben Gurion Airport for departures | |