**4th Annual   
Field Course in Conservation Biology & Global Health:**

**At the Human-Environment Interface**

**TENTATIVE SCHEDULE**

**13-17 November 2015**

| **Day 1: 13 November 2015 at MSU** | | |
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| **Time** | **Duration** | **Events** |
| 08:30-08:45 | 15 mins | Registration |
| 08:45-09:00 | 15 mins | **Field course opening remark**  Dean of Faculty of Environment and Resource Studies |
| 09:00-09:45 | 30 mins | **Introduction to the course**  **pre-course assessment test**  Prof. Randall C. Kyes |
| 09:45-10:00 | 15 mins | Group Photo |
| 10:00-10:15 | 15 mins | Refreshment and coffee break |
| 10:15-12:00 | 1hr 45 mins | **Lecture: Overview: The Human-Environment Interface**  Conservation Biology: An Introduction  Threats to Biological Diversity   Global Health – An Introduction  Risks to Human Health  Prof. Randall C. Kyes |
| 12:00-13:00 | 1hr | Lunch |
| 13:00-14:45 | 1hr 45 mins | **Lecture: Field Study Methods**  Observational Techniques & Field Awareness  Field Study Technology – Geomatics (GIS, GPS, RS)  Population Survey Methods  Behavioral Sampling Methods  Biological Sampling Methods  Prof. Randall C. Kyes |
| 14:45-15:00 | 15 mins | Refreshment and coffee break |
| 15:00-17:00 | 2 hrs | **Field exercise:** Field equipment on MSU CAMPUS   GPS, Range Finder, Trap camera, Blow pipe,UAV  Prof. Randall C. Kyes |

| **Day 2: 14 November 2015 at MSU** | | |
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| **Time** | **Duration** | **Events** |
| 08:30-09:30 | 1 hr | **Lecture: Field Study Methods (cont.)**  Prof. Randall C. Kyes |
| 09:30-10:45 | 1 hr 15 mins | **Lecture: Lotic Ecosystems and Aquatic Insect Sampling Methods**  Dr. Pensri Kyes and Dr.Penkhae Thamsenanupap |
| 10:45-11:00 | 15 mins | Refreshment and coffee break |
| 11:00-12:00 | 1 hr | **Lecture: Wildlife Diversity of Thailand & Lao PDR**  Assist. Prof. Dr. Tawatchai Tanee |
| 12:00-13:00 | 1 hr | Lunch |
| 13:00-14:20 | 1 hr 20 mins | **The Primates**: Classification, Behavior, Social Organization, Reproduction and Development  Prof. Randall C. Kyes |
| 14:20-15:20 | 1 hr | **Lecture: Management and Conservation Strategies**   Ecosystem Management (IBT, Protected Areas)  Breeding Programs (Zoos, Captive, Natural Habitat)  Rehabilitation/Reintroduction Programs  Community Outreach Education Programs  Prof. Randall C. Kyes |
| 15.30-16.30 | 1 hr | **Leave FERS-MSU to Kosumphi Forest Park, Maha Sarakham Province** |
| 16.30-18.00 | 1 hr 30 mins | Unpack, shower and relax |
| 18.00-19.00 | 1 hr | **dinner** |
| 19.00-20.00 | 1 hr | **Light Trap Sampling (Mercury Vapor)** (Instructors) |
| 20.00-20.30 | 30 mins | **Summarizing Activity** |
|  |  | **Stay at Kosumphi Forest Park** |

Note: Snacks and drinks will be provided during the activities.

| **Day 3: 15 November 2015 at MSU and Kosumphi Forest Park** | | |
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| **Time** | **Duration** | **Events** |
| 07.00-08.00 | 1 hr | **Breakfast** |
| 08.00-09.30 | 1 hr 30 mins | **Lecture: Management and Conservation Strategies (cont.)**  Aquatic Insects as Bioindicators of Lotic Ecosystems  Dr. Pensri Kyes and Dr.Penkhae Thamsenanupap |
| 09:30-09:45 | 15 mins | Refreshment and coffee break |
| 09:45-10:45 | 1 hr | **Lecture: Management and Conservation Strategies** (cont.)  Prof. Randall C. Kyes |
| 10.45-12.00 | 1 hr 15 mins | Lecture: Global Environmental Issues and Sustainability•History: Global Environmental Issues•Sustainable Development•Global Warming/ Climate Change- Ecological Effects; Challenges in Water Resources Management; Mitigation and Adaptation to Climate ChangeDr. Wichitra Singhirunnusorn |
| 12:00-13:00 | 1 hr | **Lunch** |
| 13:00-17:00 | 4 hrs | **Field Exercise at Kosumphi Forest Park:** Line transect sampling  Behavior sampling method   Fecal collection  Instructors (Prof. Randall C. Kyes) |
| 17:00-18:00 | 1 hr | Refreshment break |
| 18.00-19.00 | 1 hr | **dinner** |
| 19.00-20.30 | 1 hr 30 mins | **Data Presentation** |
| 20.30-21.00 | 30 mins | **Summarizing Activity** |
|  |  | **Stay at Kosumphi Forest Park** |

Note: Snacks and drinks will be provided during the activities.

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| **Day 4: 16 November 2015 at MSU** | | |
| **Time** | **Duration** | **Events** |
| 07:00-08.00 | 1 hr | Breakfast |
| 08.00-09.00 | 1 hr | Human-Wildlife InterfaceHuman-Wildlife Interaction and ConflictHuman-Primate ConflictRisks to Primates (Conservation Medicine)Emerging Infectious Disease & Human Health Risks Prof. Randall C. Kyes |
| 09.00-10.00 | 1 hr | **Lecture: Management and Conservation Strategies (cont.)**  Fundamentals of Conservation Genetics  Prof.Arunrat Chaveerach |
| 10:00-10:15 | 15 mins | Move to Kosumphisai Hospital |
| 10:15-11:45 | 1 hr 30 mins | **Visit Kosumphisai Hospital, Amphoe Kosumphisai** |
| 11.45-13:00 | 1 hr 15 mins | **Lunch**  Leave Kosumphisai Hospital toMSU to the Holy Infant Jesus Roi-Et School**,** Roi-Et Province |
| 13:00-16:00 | 3 hrs | **Community Outreach Education Program at the Holy Infant Jesus Roi-Et School, Roi-Et Province** (Instructors) |
| 16.00-17.00 | 1 hr 45 mins | Leave Roi-Et Province toFERS-MSU |

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| **Day 5 : 17 November 2015 at MSU** | | |
| **Time** | **Duration** | **Events** |
| 08:30-10:00 | 1 hr 30 mins | Fecal Parasite Analysis  Prof. Randall C. Kyes |
| 10:00-10:15 | 15 mins | Refreshment and coffee break |
|  | 30 mins | **Lecture: Human-Wildlife Interface (cont.)**  Traditional knowledge of ethnomedicinal plants Assist. Prof. Dr. Tawatchai Tanee |
| 10:15-12:00 | 1 hr 45 mins | Lecture: Human-Wildlife Interface (cont.) Issues in Global Health: Health Concerns of the Local People  Medical Entomology: Aquatic Insects and Human Health  Biomedical Research & Translational Science  Prof. Randall C. Kyes |
| 12:00-13:00 | 1 hr | Lunch |
| 13:00-15:00 | 2 hrs | Issues in Global Health (Continued)  Prof. Randall C. Kyes |
| 15:00-15:15 | 15 mins | Refreshment and coffee break |
| 15:15-16:00 | 45 mins | **Post-course assessment test**  **Closing and Presentation of Certificates** |