Basic Learning Module Proposal: A Basic Syllabus

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| Title | <see description below i> |
| Description | <ii> |
| Domain and DIT Level | <iii> |
| Skills and Knowledge Category | <iv> |
| Intended Learning Outcomes | <v> |
| Participant Activities | <vi> |
| Assessment of Student Proficiency | <vii> |
| License Agreement | <viii> |

1. Brief title for learning module.
2. Suggested 200 words or less.
3. Refer to Table of Domains and Associated Skills & Knowledge.
4. Refer to Table of Domains and Associated Skills & Knowledge.
5. Suggested 3-5 learning outcomes. (Examples available upon request. Examples are derived from previous INFEWS-ER working meetings and the outcomes derived from within.)
6. Suggested, but not limited to, about 2 weeks (18-24 hours per person) of effort for a typical group of graduate level students. Please be aware, at this early stage, we are flexible in learning module content and effort requirements.
7. Please specify how student completion/performance of the learning module will be assessed. This is presumably linked to participant activities.
8. License Agreement: Please suggest a license agreement for your content. FEW Faculty Fellows are asked to grant an appropriate license to the INFEWS-ER project to use, copy, and revise the learning module. The Creative Commons [**Attribution 4.0 International (CC BY 4.0)**](https://creativecommons.org/licenses/by/4.0/)is an example of such a license.

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| **Domains and Associated Skills & Knowledge** | |
| Domains (DIT Level) [\*](https://docs.google.com/document/d/10eM5RRftUdxuRXqlb9T4wDFoXJqgGq3Gcte59Cs0f4s/edit#bookmark=id.30j0zll) | Skills and Knowledge of Learning Module |
| Basic Skills and Knowledge Training (D) | Fundamentals of Computer Programming, Data Structures, Statistics, Algorithms, and Food, Energy, and Water Disciplines |
| Research Skills (D) | Analysis and Visualization, Geographic Information Systems, and Written/Oral Communication |
| Project and Team-based Skills (I) | Team Building, Project Management, Identification of Roles, Leadership, Trust and Accountability, and Communication Skills |
| Interdisciplinary Systems Thinking (I) | Complexity, Uncertainty, Risk, Dynamic Modeling, Synthesis and Analysis |
| Contextual Global Awareness (I) | Sustainability, Cultural Competency, and International Communication |
| Continuous Education (I, T) | Programming Languages, Data Repositories and Management, and Mathematical Modeling Suites |
| Transdisciplinary Skills (T) | Case Studies so FEW scholars may address/provide alternatives for societal issues in FEW resource management and output/conservation of resources. |
| \* The domains of training are described by the skill and knowledge provided by learning modules, as denoted by the Disciplinary (D), Interdisciplinary (I), or Transdisciplinary (T) nature of the curricular experience. | |