**Supplemental File 2. Syllabus**

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| **Session** | **Learning Objectives/Topics** | **Example topics** |
| 1What is Implementation Science | 1. Understand whether you have an implementation question
2. Conduct an evidence-practice gap analysis (Step 1)
 | * The need for implementation science
* IS across the translation research continuum
* What IS is and is not
* Implementation Outcomes framework
* Introduction to GTI
* Example IS projects
* Example evidence-practice gaps
 |
| 2Theories, Frameworks, and Models (TFMs) | 1. Understand the role of community and organizational partners and participatory methods in IS
2. Describe basic TFMs in IS
3. Conceptualize the problem (Step 2)
 | * Identify your implementation science question with the “who” and “what”
* Intro to IS theories (organizational culture, implementation climate)
* How to select a target behavior
* Select your target behavior activity
* Identify your appropriate patient, organizational, and community partners
* Step 1 & partnership plans
 |
| 3.TFMs continued | 1. Understand the difference between Theories, Process Models, Determinant Frameworks and Evaluation Frameworks
 | * Define frameworks, theories, and models (TFMs)
* Activity: Working with the FTMs definitions; Step 2
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| 4Frameworks, Theories and Models in the Real World:Health Equity | 1. Entry-level understanding of how theories, models, and frameworks work together to answer implementation problems
2. Prioritizing barriers and facilitators (Step 3)
 | * Discusses the utility of frameworks, theories, and models in IS
* Discuss the application of theory to behavior, social relationships, and how people interact
* Determinant frameworks
* Complete Step 3
 |
| 5Implementation Strategies  | 1. Understand how to find the appropriate strategy to match your target behavior (Step 4)
 | * Selecting and specifying implementation strategies
* Step 4
 |
| 6Designing and evaluating Implementation trials  | 1. Choose and use an appropriate study design evaluation framework (Steps 5-6)
 | * Evaluation Frameworks and measures
* Choose your framework and design Workshop
* Activity: RE-AIM
 |
| 7. Adaptation, fidelity, and sustainment | Measure implementation and consider sustainment (Steps 6, 7) | * Adaptation and Intervention Fidelity
* Documentation, Evaluation, Sustainment
 |
| 8. Final Presentations | Students present 7 step templates and give and receive feedback | * Present final project
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GTI= Getting to Implementation; IS = Implementation Science; FTM = Framework, Theories, and Models;

**Supplemental File 3. Six-month Post-Course Follow-up Survey**

1. To what extent was the 7-step method a helpful education tool?

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| --- | --- | --- | --- | --- |
| Not helpful(1) | Slightly helpful(2) | Moderately helpful (3) | Very helpful (4) | Extremely helpful (5) |
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1. Do you think that selecting and tailoring implementation strategies can be combined?
* Yes
* No
1. To what extent do you think that the slide templates were helpful?

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| --- | --- | --- | --- | --- |
| Not helpful(1) | Slightly helpful(2) | Moderately helpful (3) | Very helpful (4) | Extremely helpful (5) |
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1. To what extent did you feel knowledgeable about each of the following topics prior to and at the end of the course?

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| **Implementation Science Topic** | 1=Not knowledgeable2=Slightly knowledgeable3=Moderately knowledgeable4=Very knowledgeable5=Extremely knowledgeable |
| **Coming into the course** | **After leaving****the course** |
| 1. Define an implementation problem
 |  |  |
| 1. Conceptualize an implementation problem
 |  |  |
| 1. Evaluate barriers to implementation
 |  |  |
| 1. Select implementation strategies to overcome the barriers
 |  |  |
| 1. Tailor implementation strategies to the context
 |  |  |
| 1. Design an implementation study
 |  |  |
| 1. Evaluate implementation
 |  |  |
| 1. Sustain implementation
 |  |  |
| 1. Consider health equity in implementation science
 |  |  |

1. To what extent did you find the topics useful for your work?

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| --- | --- |
| **Implementation Science Topic** | 1=Not useful2=Slightly useful3=Moderately useful4=Very useful5=Extremely useful |
| **Useful for my work** |
| 1. Define an implementation problem
 |  |
| 1. Conceptualize an implementation problem
 |  |
| 1. Evaluate barriers to implementation
 |  |
| 1. Select implementation strategies to overcome the barriers
 |  |
| 1. Tailor implementation strategies to the context
 |  |
| 1. Design an implementation study
 |  |
| 1. Evaluate implementation
 |  |
| 1. Sustain implementation
 |  |
| 1. Consider health equity in implementation science
 |  |

1. What are your thoughts about integrating user-centered design **principles**into the course?
* There was too much user-centered design
* There was the right amount of user-centered design
* I would like more user-centered design in the course
* Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please explain:

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1. What are your thoughts about integrating user-centered design **tools**into the course?
* There was too much Mural
* There was the right amount of Mural
* I would like more Mural in the course
* Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please explain:

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1. What did you think of the guest lectures in Part 1 of the course? (check all that apply)
* They were distracting
* I liked them
* I would like more guest lectures
* There was just the right amount of guest lectures
* There were too many guest lectures
* Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please explain:

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1. Have you applied what you learned in the course? (check all that apply)
* No
* Yes, I apply the conceptual frameworks
* Yes, I use the tools
* Yes, I used the course to help write a paper
* Yes, I use the stakeholder engagement skills
* Yes, I use the user-centered design tools
* Yes, I used the course to help write a grant
1. Thinking back on the course, what could have been improved?

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