# Design & Optimization for 3D Sand Printing and Advanced Sensing Technologies for Workforce Development

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| | **Wednesday, June 25** | |
| 9:00 am - 9:30am | Welcome and program overview, Prof. Laura Bartlett | 249 McNutt |
| 9:30 am – 10:30am | Overview of 3-D printing and sensor design for Foundry 4.0 | 249 McNutt |
| 10:30 am -11:00am | Foundry Demonstration Pour in the Wolf Foundry | 244 McNutt |
| 11:00 am – 12:00pm | Tour of Missouri S&T Labs | |
| 12:00 pm – 1:00 pm | Lunch – Overview of Foundry Research and Educational Programs at Missouri S&T | 249 McNutt |
| 1:00 pm – 4:00 pm | AFS Design & Optimization for 3-D Sand Printing: Modules 1-3<br>Instructor: Jiten Shah, Product Development & Analysis LLC | 249 McNutt |
| 6:00 pm – 8:00 pm | Reception and Dinner (included in registration) | Alex's Pizza |
| | **Thursday, June 26** | |
| 9:00 am - 10:30am | AFS Design & Optimization for 3D Sand Printing Module 4 | 249 McNutt |
| 10:35- 10:45 a.m. | Break | 249 McNutt |
| 10:50 am – 11:30am | AFS Design & Optimization for 3D Sand Printing Module 5 | 249 McNutt |
| 11:30 am - 1:00pm | Lunch with Missouri S&T student leaders | 249 McNutt |
| 1:00 pm – 4:00pm | AFS Design & Optimization for 3D Sand Printing Module 6 | 249 McNutt |
| 6:00 pm | No Host Dinner | TBA |
| | **Friday, June 27** | |
| 9:00am - 11:30am | AFS Design & Optimization for 3D Sand Printing Module 7 | 249 McNutt |
| 11:30am - 12:00pm | Course conclusion, evaluation and Boxed Lunches Provided | 249 McNutt |
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