FLEXIBLE PAVEMENTS OF OHIO  
2020 COMPREHENSIVE ASPHALT MIX DESIGN SCHOOL  
February 24, 2020 - February 28, 2020  
Ohio University Lancaster Campus, Brasee Hall, Room 414  
1570 Granville Pike, Lancaster, OH 43130

In the event of inclement weather, you can access the Ohio University Website,  
https://www.ohio.edu/lancaster/, to determine if the building is open (student classes may cancel but  
staff may still report which means the building will be open). In the event of a local level 3 weather  
emergency the class will be canceled until further notice.

Contact the course instructor, Larry Shively, with any questions at (740) 503-2071.

Monday AM (Classroom)  
7:45 — 8:15 REGISTRATION  
8:15 — 8:45 Welcome; Introductions; Scope of Course  
8:45 — 10:00 ODOT Specifications for HMA; Asphalt Materials, Specifications,  
10:00 —10:15 BREAK  
10:15 – 12:00 Mix Behavior, Desired Properties of Mixes, Pavement Issues addressed

Monday PM  
12:00 —1:00 LUNCH  
1:00 — 2:30 Materials Selection, Agg, Sp Gr, Gradation, Test methods  
2:30 — 4:00 Aggregates, .45 power, F-T, F/A, Batching and Blending calculations

Tuesday AM (Classroom)  
8:00 — 8:15 Review of Monday’s work  
8:15----10:00 Binder Properties, Temp Viscosity Relationships, Review of Binder tests  
10:00 — 10:15 BREAK  
10:15 — 11:00 Laboratory mix testing, Rice (Gmm), Gsb, Compaction of specimens  
11:00 — 12:00 Introduction to Volumetrics, nomenclature

Tuesday PM  
12:00 — 1:00 LUNCH  
1:00 — 4:30 Set up Mix Design, review of design form

Wednesday AM (Classroom)  
8:00 — 8:15 Review of Tuesday Work
8:15 — 10:00 Volumetrics (continued): specific gravities; air voids; VMA; etc.
10:00 — 10:15 BREAK
10:45 — 12:00 Mix Design continues.

**Wednesday PM**
12:00 — 1:00 LUNCH
1:00 — 2:00 Mix Design Calculations & Selection of Optimum Asphalt Content,
2:00 — 4:30 Students perform Marshall Mix Design calculations, Plot graphs, & select opt. asphalt,
     Review design & specification compliance

**Thursday AM (Classroom)**
8:00 — 8:30 Review of mix design calculations & selection of optimum asphalt content
8:30 — 11:15 Complete ODOT mix design submittal with new set of data.
11:15 — 12:00 Superpave Mixture Design

**Thursday PM (Classroom)**
12:00 — 12:30 LUNCH
12:30 — 12:45 Warm Mix Asphalt — WMA
12:45 — 1:15 TSR procedures and requirements
1:15 — 1:30 Shingle use in Ohio
1:30 — 2:00 RAP Procedures/ODOT requirements/Abson Recovery
2:00 — 2:15 BREAK
2:15 — 2:45 Course Summary
2:45-? Review for Examination (this may be scheduled at an earlier time depending on ODOT availability).

There will be a tour of the ORITE laboratory during the class. The course schedule will be modified as needed.

**Friday (Classroom)**
8:00 AM — 4:30 PM LEVEL 3 EXAMINATION