

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

10:15 — 10:45 Marshall Mix Design, Stability & Flow,

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