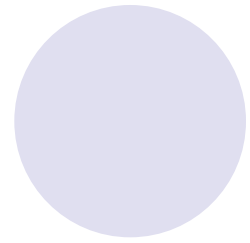
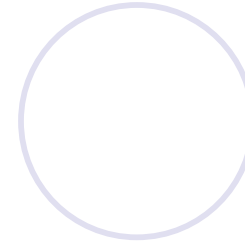
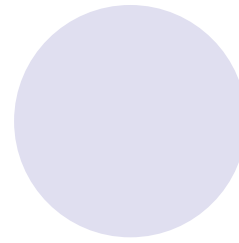
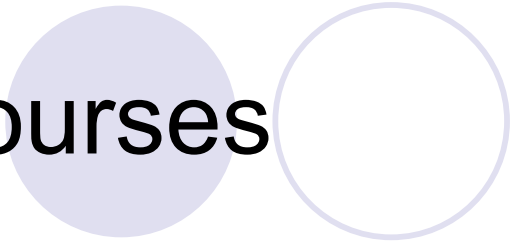


The slide features five decorative circles. One is a white circle with a light purple outline, positioned behind the word 'Integrating'. Two are solid light purple circles, one behind 'Research' and one behind 'Into'. Two more are solid light purple circles, one behind 'Teaching' and one behind 'Arthur'.

# Integrating Research Into Teaching

Arthur Grider, Ph.D.

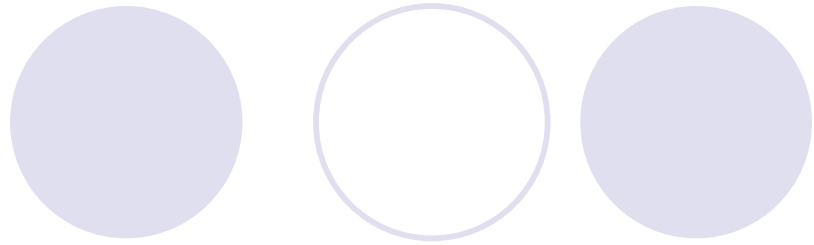
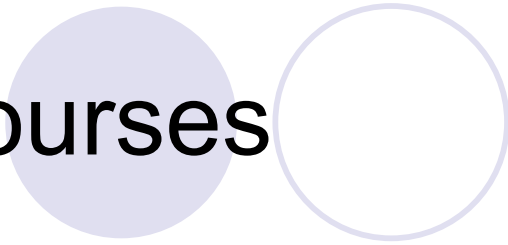
Courses



- Teaching Laboratory

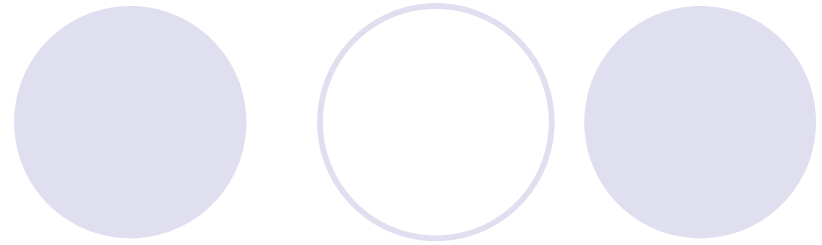
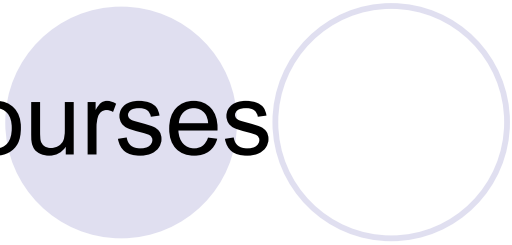
# Courses

- Teaching Laboratory
- Independent Study



# Courses

- Teaching Laboratory
- Independent Study
- Lecture





# Courses

- Teaching Laboratory

- Allows students to become familiar with instruments and methodology



# Courses

- Teaching Laboratory

- Allows students to become familiar with instruments and methodology
- Connects description with experience

# Courses



- Teaching Laboratory

- Allows students to become familiar with instruments and methodology
- Connects description with experience
- **Class size and laboratory space**
  - Limit the number of students per group
  - Add sections to accommodate the number of students

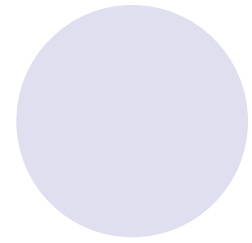
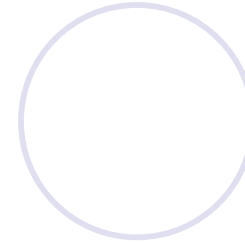
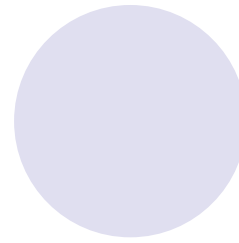
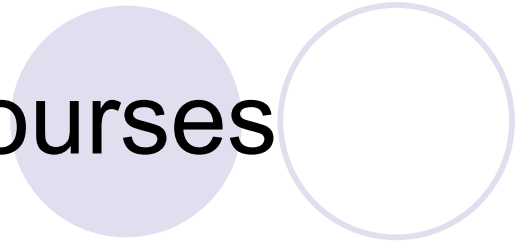
# Courses



- Teaching Laboratory

- Allows students to become familiar with instruments and methodology
- Connects description with experience
- Class size and laboratory space
- Supervision !!!!
  - Personal
  - Technician

Courses



- Independent Study

- Small number of students

# Courses

- Independent Study

- Small number of students

- Easier to supervise

A decorative graphic at the top of the slide consists of two groups of three circles. The first group on the left has a solid light purple circle on the left, a white circle with a light purple outline in the middle, and a solid light purple circle on the right. The second group on the right has a solid light purple circle on the left, a white circle with a light purple outline in the middle, and a solid light purple circle on the right.

# Courses

- Independent Study

- Small number of students

- Easier to supervise

- Can gauge level of responsibility

# Courses

A decorative graphic consisting of a row of six circles. The first circle is solid light purple and partially overlaps the word 'Courses'. The second circle is an outline. The third circle is solid light purple. The fourth circle is an outline. The fifth circle is solid light purple.

- Independent Study

- Small number of students
- Easier to supervise
- Can gauge level of responsibility
- Good students can segue into their own research projects

A decorative graphic consisting of two groups of circles. The first group on the left has a solid light purple circle on the left and an empty light purple circle on the right. The second group on the right has a solid light purple circle on the left, an empty light purple circle in the middle, and a solid light purple circle on the right.

Courses

- Lecture

- Describe the instrument and research projects

# Courses

A decorative graphic consisting of two groups of circles. The first group on the left has a solid light purple circle partially overlapping the word 'Courses', followed by an empty light purple circle outline. The second group on the right consists of three circles: a solid light purple circle, an empty light purple circle outline, and another solid light purple circle.

- Lecture

- Describe the instrument and research projects
- Teach students the history of the instrument/  
technique/ method

# Courses

A decorative graphic consisting of a row of five circles. The first circle is solid light purple and contains the word 'Courses'. The second circle is an outline. The third circle is solid light purple. The fourth circle is an outline. The fifth circle is solid light purple.

- Lecture

- Describe the instrument and research projects
- Teach students the history of the instrument/  
technique/ method
- Present data to interest students in research

# Courses

A decorative graphic consisting of two groups of three circles. The first group has a solid light purple circle on the left, a white circle with a light purple outline in the middle, and a white circle with a light purple outline on the right. The second group has a solid light purple circle on the left, a white circle with a light purple outline in the middle, and a solid light purple circle on the right.

- Lecture

- Describe the instrument and research projects
- Teach students the history of the instrument/ technique/ method
- Present data to interest students in research
- Teach students the scientific process