Learn the latest in restorative concepts: PFM options and replacement techniques, zirconia types and applications, lithium disilicate crown applications and replacement products, digital scanners. Techniques, materials and devices will be shown and evaluated.

### Cementing Zirconia on GOOD tooth preparation
- Try on restoration and evaluate all aspects
- Roughen the axial walls of the crown restoration
- Sandblast zirconia on internal of restoration or use Ivoclar Vivadent Ivoclean or similar product and wash thoroughly
- Clean Preparation with pumice (WhipMix Preppies Plus)
- Place glutaraldehyde on preparation (two 1-min applications) of Gluma or Microprime
- Suction off glutaraldehyde—don’t wash it off
- If acceptable retentive prep, seat with RMGI

### Cementing Zirconia on QUESTIONALBLE RETENTION tooth preparation
- Try on restoration and evaluate all aspects
- Roughen the axial walls of the crown restoration
- Sandblast zirconia on internal of restoration or use Ivoclar Vivadent Ivoclean or similar product and wash thoroughly
- Clean Preparation with pumice (WhipMix Preppies Plus)
- Place glutaraldehyde on preparation (two 1-min applications) of Gluma or Microprime
- Suction off glutaraldehyde—don’t wash it off
- Elective—use Bisco Z-Prime Plus or similar product on restoration internal
- Place bonding agent on both crown internal and tooth preparation, air thin, don’t cure
- Seat with self adhesive resin cement

### Cementing Lithium Disilicate
Best done with resin cement unless 1mm thick on chamfer
- This step is lab, unless in office milling: Hydrofluoric acid etch or Ivoclar Vivadent Etch and Prime (has no hydrofluoric acid)
- Clinical steps follow:
  - Place silane before trying on restoration
  - Try on restoration and evaluate all aspects
  - Place Ivoclean or similar product on restoration internal to clean off organic debris from etched ceramic surface
  - Clean Preparation with pumice (WhipMix Preppies Plus)
  - Place glutaraldehyde on preparation (two 1-min applications) of Gluma or Microprime
  - Suction off glutaraldehyde—don’t wash it off
  - Re-silanate restoration internal lightly air dry
  - Place bonding agent on both crown internal and tooth preparation, air thin, don’t cure
  - Seat with self adhesive resin cement

Upon completion of this course, you should be able to do the following:
- List and describe the types of indirect restorations currently available
- List and describe current techniques, materials, and devices available.
- Decide which of these are appropriate for your practice
- Implement the respective changes into your practice.