

Spring, April 10-11, 2026
Day 1 April 10, 2026



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3D Printing in the Dental Practice – Current Applications

Introduction: 3D printing is set to revolutionize how we practice dentistry placing a variety of dental applications including Surgical guides, Bite splints, Nightguards, Prototypes, and permanent restorations such as Inlays, Onlays, Crowns, Dentures, within our reach.

Course Description: This course will be an overview of Dental 3D printing including materials, printers, types of appliances and workflows. Discussion will focus on:

- Workflows for Surgical guides including required data sets.
 - Workflows for printing temporaries – shells and direct to prep.
 - Workflows for Bite splints.
 - Workflows for Dentures.
 - Workflows for Clear aligners.
 - Types of 3D printers including pricing and applications of each.
 - In office design or outsourced design.
 - Live demonstrations of 3D printing and post processing.
- *** Participants will have the **option** to download the Blue Sky Bio software to their laptops before the course so during the course they can design and subsequently 3D print a surgical guide, a bite splint, and a temporary crown.



About the Speaker:

Rick Ferguson, DMD, DABOI, DICOI, FAGD has been involved in teaching implant dentistry for the last 30 years and has lectured nationally and internationally on topics such as treatment planning, case selection, simple and complex surgical implant placement and restoration, advanced bone grafting and bone graft materials, use of Computed Tomography and surgical guides. He has been instrumental in bringing 3D printing technology to dentistry and developing digital workflows for implant and restorative dentistry as well as clear aligner orthodontic therapy. Dr. Ferguson has developed and implemented implant training programs and hands on bone grafting course including a Live Surgery Continuum at his Alma Mater the University of Florida and also at LSU which have been attended by thousands of dentists. He maintains a private practice with his wife Dr. Katherine Ferguson in Davie, FL emphasizing dental implants and implant repair.

LOCATION & TIME

Embassy Suites Airport
7901 - 34th Ave S.
Bloomington, MN
55425
Friday 8:00am-5:00pm

COURSE OBJECTIVES

Upon completion of this course, participants should understand the current applications for 3D printing in dentistry and specifically in a clinical dental practice.

*** Laptop requirements to run the Blue Sky Bio software:

- Generally, a laptop used with an intra-oral scanner should be sufficient. If using a different laptop, please consider the following:
 - Operating System: Windows 10 Home/Professional 64 bit or newer. **BlueSkyPlan is no longer available for Mac.**
 - Processor: Quad Core Intel i7 or comparable.
 - RAM: At least 16 GB.
 - Video Card: dedicated NVidia or AMD card, at least 3 GB video RAM (e.g. NVidia GeForce GTX 650, AMD Radeon HD 7750, ...).
 - Hard Disk: 5 GB of free space.



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