**TWEED-TYPODONT COURSE 2015**

**Course instructor: D. Konstantonis**

**Course Outline**

**Session 1**

-Course objectives

-Lecture: Introduction into Tweed Philosophy

 Historical Perspective: The Edgewise appliance - Tweed and Merrifield

Dimensions of the Dentition – Diagnosis – Differential Diagnosis – The Tweed edgewise appliance (brackets and tubes, archwires, first-second-third order bends)

-Exercise: Wire bending: loops and geometrical shapes

**Session 2**

-TWEED, Charles H., **[“The Frankfort Mandibular Plane Angle in Orthodontic Diagnosis, Classification, Treatment Planning and Prognosis”](http://www.tweedortho.com/course/Reading_files/Tweed_Reading1.pdf%22%20%5Ct%20%22_blank)***- American Journal of Orthodontics Oral Surgery*, April 1946.

Presentation by Dr Alexandropoulos

-Exercise: -Wire bending: loops and geometrical shapes

 -Bonwill Hawley – Revised steps

 -Coordinated ideal arches.215x.275 first order bands (upper and lower)

**Session 3**

-TWEED, Charles H., **[“The Frankfort-Mandibular Incisor Angle (FMIA) in Orthodontic Diagnosis, Treatment Planning and Prognosis"](http://www.tweedortho.com/course/Reading_files/Tweed_Reading2.pdf%22%20%5Ct%20%22_blank)***- Angle Orthodontist*, July 1954.

Presentation by Dr Papagiannis

-Exercise: -Typodont set-up to malocclusion Class II, div 1; bracket placement

 -Coordinated ideal arches

 .215x.275 first and second order bands (upper and lower)

 .215x.275 first, second and third order bands (upper and lower)

**Session 4**

-MERRIFIELD & CROSS, **[“A Study of Directional Forces,”](http://www.tweedortho.com/course/Reading_files/Tweed_Reading3.pdf%22%20%5Ct%20%22_blank)***- American Journal of Orthodontics*, May 1970.

Presentation by Dr Marinaki

-Lecture-case presentation: Class II div1 extraction case.

-Exercise: completion of the exercise work of the first 3 sessions

**Session 5**

MERRIFIELD, L. Levern,**[“The Profile Line as an Aid in Critically Evaluating Facial Esthetics”](http://www.tweedortho.com/course/Reading_files/Tweed_Reading4.pdf%22%20%5Ct%20%22_blank)***- American Journal of Orthodontics*, November 1966.

Presentation by Dr Spanou

-Exercise: **treatment of Class II div1, extraction case**

 -aligning and levelling archwires upper and lower .016 ss

 -aligning and levelling archwires upper and lower .018 ss

-cuspid uprighting archwires upper and lower .019 x.25 ss

-relevelling archwires upper and lower .020 or.022 ss

**Session 6**

MERRIFIELD, L. Levern, **[“Space Analysis and Differential Diagnosis”](http://www.tweedortho.com/course/Reading_files/Tweed_Reading5.pdf%22%20%5Ct%20%22_blank)***- Journal of The Charles H. Tweed Foundation*, Volume 6, No. 1, March 1978. Pages 10 - 15.

Presentation by Dr Alexandropoulos

-Exercise: Mandibular anchorage preparation

 -maxillary stabilizing archwire .019x.025 ss

 -mandibular working archwire with Jigs .019x.025 ss

**Session 7**

MERRIFIELD, L. Levern, **[“The Systems of Directional Force”](http://www.tweedortho.com/course/Reading_files/Tweed_Reading6.pdf%22%20%5Ct%20%22_blank)***- Journal of The Charles H. Tweed Foundation*, Volume X, April 1982. Pages 15 - 29.

Presentation by Dr Papagiannis

-Exercise: Maxillary anchorage preparation

 -maxillary working archwire with Jigs .019 x.025 ss

 -mandibular stabilizing archwire .019 x.025 ss

**Session 8**

KLONTZ, Herbert A., **[“Readout”](http://www.tweedortho.com/course/Reading_files/Tweed_Reading7.pdf%22%20%5Ct%20%22_blank)***- Journal of The Charles H. Tweed International Foundation*, Volume XIII, April 1985. Pages 53 - 64.

Presentation by Dr Marinaki

-Exercise: Cuspid retraction

 -maxillary working archwire .019 x.025 ss

 -mandibular working archwire .019 x.025 ss

**Session 9**

GRAMLING, J.F., **["The Probability Index"](http://www.tweedortho.com/course/Reading_files/Tweed_Reading8.pdf%22%20%5Ct%20%22_blank)*,*** *American Journal of Orthodontics and Dentofacial Orthopedics*, 107:165, 1995.

Presentation by Dr Spanou

-Exercise: Mandibular anterior retraction

 -maxillary stabilizing archwire .019x.025 ss

 -mandibular working archwire .019x.025 ss

**Session 10**

MERRIFIELD, L. Levern, KLONTZ, Herbert, & VADEN, James L., **["Differentrial Diagnostic Analysis Systems"](http://www.tweedortho.com/course/Reading_files/Tweed_Reading9.pdf%22%20%5Ct%20%22_blank)*,*** *American Journal of Orthodontics and Dentofacial Orthopedics*, 106:641, 1994.

Presentation by Dr Alexandropoulos

-Exercise: Maxillary anterior retraction

 -maxillary working archwire .019x.025 ss

 -mandibular stabilizing archwire .019x.025 ss

**Session 11**

KLONTZ, Herbert K., **["Facial Balance and Harmony: An attainable Objective for the Patient with a High Mandibular Plane Angle"](http://www.tweedortho.com/course/Reading_files/Tweed_Reading10.pdf%22%20%5Ct%20%22_blank)*,*** *American Journal of Orthodontic and Dentofacial Orthopedics*, Vol. 114, No.2, pp. 176-188.

Presentation by Dr Papagiannis

-Exercise: Distal Enmasse movement of the maxillary denture

 -maxillary working archwire .019x.025 ss

 -mandibular stabilizing archwire .019x.025 ss

**Session 12**

VADEN, James, KLONTZ, Herbert & DALE, Jack, **["The Tweed Merrifield Edgewise Appliance"](http://www.tweedortho.com/course/Reading_files/Tweed_Reading11.pdf%22%20%5Ct%20%22_blank)*,*** *in Graber, T.M., Vanarsdall RI, editors: Orthodontics: Current Principles and techniques*, 34rd edition, St. Louis, 2000

Presentation by Dr Marinaki

-Exercise: Cusp seating

 -finishing-artistic-cusp seating archwires upper and lower .019x.025 ss

**Session 13**

-Catch up and completion of the exercise

**Session 14**

-Presentation of Typodont Books to the instructors and residents of the Dept. of Orthodontics