

ORTHODONTICS RESIDENCY (DSOR)

DSOR 5101 - Orthodontics 101 - Boot Camp (4.2 Credits)

This post-doctoral course is an intense review of the breadth and scope of orthodontics including growth and development and the different clinical orthodontic modalities.

Grading Basis: Letter Grade

DSOR 5102 - Dentofacial Growth and Development 1 (1.8 Credits)

This post-doctoral course is an in-depth study of human growth and development that includes basic embryology of the head and neck, growth theories and facial and dental arch changes throughout human life.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 5103 - Diagnosis and Treatment Planning 1 (1.8 Credits)

This post-doctoral course is an in-depth study of advanced orthodontic data gathering and interpretation as used in orthodontic diagnosis and treatment planning.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 5104 - Biomechanics 1 (3.5 Credits)

This post-doctoral course is an in-depth, advanced study of orthodontic biomechanical systems and their effect on the craniofacial and dental structures. Included in this course are the protocols required to treat both skeletal and dental malocclusions.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 5105 - Research Methodology and Biostatistics 1 (1.8 Credits)

This post-doctoral course is an in-depth study of scientific research methods, study design and organization, data gathering, and the biostatistical tools required to analyze the results of a study.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 5107 - Treatment Planning 1 (3.5 Credits)

This post-doctoral course is the case-based study of advanced orthodontic treatment planning. Post-doctoral students are required to present patient diagnoses and proposed treatment plans for faculty and student discussion, to include treatment modality presentations by students.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 5108 - Current Literature Review 1 (0.9 Credits)

Course is the study, analysis and discussion of journal articles and topics that are prominent in orthodontics within the previous year. Post-doctoral students critically review and analyze the articles to determine advances in the art and science of orthodontics.

Grading Basis: Letter Grade

DSOR 5109 - Clear Aligner Therapy and Digital Applications (0.9 Credits)

This course for the Orthodontics and Dentofacial Orthopedics residents covers the history, material foundation, biomechanical understanding, clear aligner treatment (CAT) planning and treatment of malocclusions with clear aligners. Aligner design, practical application and future development as well as, in office aligners, digital work flow, and digital printing are also discussed.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 5111 - History of Orthodontics & Dentofacial Orthopedics (0.9 Credits)

This post-doctoral course is an in-depth study of the development of orthodontic treatment and of orthodontics as a specialty, including the study of prominent figures that played a part in specialty and treatment development.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

DSOR 5202 - Dentofacial Growth and Development 2 (2.1 Credits)

This post-doctoral course is an in-depth study of human growth and development that includes the affects of treatment on growth and development. Prereq: DSOR 5102

Grading Basis: Letter Grade

DSOR 5203 - Diagnosis and Treatment Planning 2 (2.1 Credits)

This post-doctoral course is a continuation of the in-depth study of advanced orthodontic data gathering and interpretation as used in orthodontic diagnosis and treatment planning. Prereq: DSOR 5103.

Grading Basis: Letter Grade

DSOR 5204 - Biomechanics 2 (3.2 Credits)

This post-doctoral course is an in-depth, advanced study of orthodontic biomechanical systems and their effect on the craniofacial and dental structures. Included in this course are the protocols required to treat both skeletal and dental malocclusions. Prereq: DSOR 5104.

Grading Basis: Letter Grade

DSOR 5205 - Research Methodology & Biostatistics 2 (2.1 Credits)

This post-doctoral course is an in-depth study of scientific research methods, study design and organization, data gathering, and the biostatistical tools required to analyze the results of the study. Prereq: DSOR 5105.

Grading Basis: Letter Grade

DSOR 5207 - Treatment Planning 2 (4.3 Credits)

This post-doctoral course is the case-based study of advanced orthodontic treatment planning. Post-doctoral students are required to present patient diagnoses and proposed treatment plans for faculty and student discussion, to include treatment modality presentations by students. Prereq: DSOR 5107.

Grading Basis: Letter Grade

DSOR 5208 - Current Literature Review 2 (1.1 Credits)

Course is the study, analysis and discussion of journal articles and topics that are prominent in orthodontics within the previous year. Post-doctoral students critically review and analyze the articles to determine advances in the art and science of orthodontics. Prereq: DSOR 5108.

Grading Basis: Letter Grade

DSOR 5211 - Treatment in Preadolescent Children (1.8 Credits)

This post-doctoral course is a study of the orthodontic and pediatric care of the preadolescent patient, to include preventative and Phase 1 patient care.

Grading Basis: Letter Grade

Typically Offered: Summer.

DSOR 5302 - Implants in the Orthodontic Patient (0.9 Credits)

The goals of this course are (1) to familiarize the students with the history, evolution, design, placement, and clinical use of TADs, (2) to leave this program with an understanding of how to incorporate TADs into treatment planning, not just as a bailout mechanism but incorporation of the TADS into the treatment plan at its inception.

Grading Basis: Letter Grade

Typically Offered: Summer.

DSOR 5304 - Biomechanics 3 (1.8 Credits)

This post-doctoral course is an in-depth, advanced study of orthodontic biomechanical systems and their effect on the craniofacial and dental structures. Included in this course are the protocols required to treat both skeletal and dental malocclusions. Prereq: DSOR 5104, DSOR 5204.

Grading Basis: Letter Grade

DSOR 5307 - Treatment Planning 3 (3.5 Credits)

This post-doctoral course is the case-based study of advanced orthodontic treatment planning. Post-doctoral students are required to present patient diagnosis and proposed treatment plans for faculty and student discussion, to include treatment modality presentations by students. Prereq: DSOR 5107, DSOR 5207.

Grading Basis: Letter Grade

DSOR 5321 - Orthognathic Surgical Treatment (2.1 Credits)

This post-doctoral course is a study of the orthognathic surgical options and treatment of patients, including distraction osteogenesis and other advances in surgical techniques.

Grading Basis: Letter Grade

Typically Offered: Spring.

DSOR 5331 - Management of the TMJ Patient (1.8 Credits)

This post-doctoral course is an advanced course in diagnosing and managing the patient with temporomandibular joint symptoms and dysfunction.

Grading Basis: Letter Grade

Typically Offered: Summer.

DSOR 5341 - Fundamentals in Teaching, Learning & Assessment (1 Credit)

This post-doctoral course teaches the student the basics of clinical and didactic teaching to enable the student to successfully participate in the orthodontic instruction of predoctoral students and to interact and teach their non-orthodontist colleagues on completion of the program.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 5344 - Advanced Radiology and Radiographic Interpretation (1.8 Credits)

This graduate course in dentistry in oral and maxillofacial radiology includes lectures and case studies in radiation physics, radiation biology, radiation hygiene and radiographic techniques. In addition, this course will provide information on advanced imaging modalities and interpretive skills.

Grading Basis: Letter Grade with IP

Typically Offered: Summer.

DSOR 5841 - Research 1 (0.9 Credits)

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 5842 - Research 2 (2.1 Credits)

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project. Prereq: DSOR 5841.

Grading Basis: Letter Grade

DSOR 5843 - Research 3 (2.6 Credits)

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project. Prereq: DSOR 5841, DSOR 5842.

Grading Basis: Letter Grade

DSOR 5931 - Clinical Orthodontics 1 (7.1 Credits)

This post-doctoral course involves the advanced treatment of orthodontic problems and patient care. Supervision is provided by educationally qualified orthodontists to provide high quality and efficient patient care.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 5932 - Clinical Orthodontics 2 (7.7 Credits)

This post-doctoral course involves the advanced treatment of orthodontic problems and patient care. Supervision is provided by educationally qualified orthodontists to provide high quality and efficient clinical patient care. Prereq: DSOR 5931.

Grading Basis: Letter Grade

DSOR 5933 - Clinical Orthodontics 3 (7.4 Credits)

This post-doctoral course involves the advanced treatment of orthodontic problems and patient care. Supervision is provided by educationally qualified orthodontists to provide high quality and efficient clinical patient care. Prereq: DSOR 5931, DSOR 5932.

Grading Basis: Letter Grade

DSOR 6107 - Treatment Planning 4 (4 Credits)

This post-doctoral course is the case-based study of advanced orthodontic treatment planning. Postdoctoral students are required to present patient diagnoses and proposed treatment plans for faculty and student discussion, to include treatment modality presentations by students. Prereq: DSOR 5107, DSOR 5207, DSOR 5307.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 6108 - Current Literature Review 4 (1 Credit)

Course is the study, analysis and discussion of journal articles and topics that are prominent in orthodontics within the previous year. Post-doctoral students critically review and analyze the articles to determine advances in the art and science of orthodontics. Prereq: DSOR 5108, DSOR 5208, DSOR 5308.

Grading Basis: Letter Grade

DSOR 6111 - Periodontic/Orthodontic Treatment (1 Credit)

This post-doctoral course is a study of the interdisciplinary care of the patient with periodontal and orthodontic needs and includes a review of the literature in conjunction with a periodontist.

Grading Basis: Letter Grade

DSOR 6201 - Ethics & Practice Management (2 Credits)

This graduate course in dentistry is an in-depth study of ethics, practice management, and jurisprudence as it relates to clinical practice. The course includes advanced study and lecture in practice financial and management areas with specific experiences varying with the different specialty areas.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 6206 - Dent/Craniofacial Anomalies (2 Credits)

This post-doctoral course is a study of dental and craniofacial anomalies and the orthodontic and surgical treatment of patients. This includes both seminars, case-based and case-presentation study. Prereq: DSOR 5106, DSOR 5206, DSOR 5306, DSOR 6106.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 6207 - Treatment Planning 5 (4.3 Credits)

This post-doctoral course is the case-based study of advanced orthodontic treatment planning. Post-doctoral students are required to present patient diagnoses and proposed treatment plans for faculty and student discussion, to include treatment modality presentations by students. Prereq: DSOR 5107, DSOR 5207, DSOR 5307, DSOR 6107.

Grading Basis: Letter Grade

DSOR 6208 - Current Literature Review 5 (1.1 Credits)

Course is the study, analysis and discussion of journal articles and topics that are prominent in orthodontics within the previous year. Post-doctoral students critically review and analyze the articles to determine advances in the art and science of orthodontics. Prereq: DSOR 5108, DSOR 5208, DSOR 5308, DSOR 6108.

Grading Basis: Letter Grade

DSOR 6209 - Surgical Anatomy & Osteology (1.1 Credits)

This course emphasizes head and neck anatomy that is related to surgical procedures treatment planned/performed by dental specialists. Surgical complications related to anatomy will be covered. A prosection of human cadavers will be reviewed with emphasis on surgical anatomy and techniques for sinus augmentation.

Grading Basis: Letter Grade

Typically Offered: Spring.

DSOR 6844 - Research 4 (4 Credits)

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project. Prereq: DSOR 5841, DSOR 5842, DSOR 5843.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 6845 - Research 5 (5.3 Credits)

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project. Prereq: DSOR 5841, DSOR 5842, DSOR 5843, DSOR 6844.

Grading Basis: Letter Grade

DSOR 6934 - Clinical Orthodontics 4 (9.4 Credits)

This post-doctoral course involves the advanced treatment of orthodontic problems and patient care. Supervision is provided by educationally qualified orthodontists to provide high quality and efficient clinical patient care. Prereq: DSOR 5931, DSOR 5932, DSOR 5933.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 6935 - Clinical Orthodontics 5 (10.2 Credits)

This post-doctoral course involves the advanced treatment of orthodontic problems and patient care. Supervision is provided by educationally qualified orthodontics to provide high quality and efficient clinical patient care. Prereq: DSOR 5931, DSOR 5932, DSOR 5933, DSOR 6934.

Grading Basis: Letter Grade

DSOR 6936 - Review for American Board Examination (1.1 Credits)

This postgraduate course in dentistry is an advanced review course in published orthodontic research studies and techniques in preparation for taking the written portion of the American Board of Orthodontics written examination. Restrictions: Successful completion of Year 1 of the postgraduate Program in Orthodontics.

Grading Basis: Letter Grade

Typically Offered: Spring.

DSOR 7107 - Treatment Planning 6 (3.5 Credits)

This post-doctoral course is the case-based study of advanced orthodontic treatment planning. Post-doctoral students are required to present patient diagnoses and proposed treatment plans for faculty and student discussion, to include treatment modality presentations by students. Prereq: DSOR 5107, DSOR 5207, DSOR 5307, DSOR 6107, DSOR 6207.

Grading Basis: Letter Grade with IP

DSOR 7108 - Current Literature Review 6 (0.9 Credits)

Course is the study, analysis and discussion of journal articles and topics that are prominent in orthodontics within the previous year. Post-doctoral students critically review and analyze the articles to determine advances in the art and science of orthodontics. Prereq: DSOR 5108, DSOR 5208, DSOR 5308, DSOR 6108, DSOR 6208.

Grading Basis: Letter Grade with IP

DSOR 7112 - Orthodontic Clinical Teaching 1 (3.5 Credits)

This post-doctoral course requires the student to teach basic orthodontic diagnostic and treatment techniques to the predoctoral dental student.

Grading Basis: Letter Grade

Typically Offered: Summer.

DSOR 7207 - Treatment Planning 7 (4 Credits)

This post-doctoral course is the case-based study of advanced orthodontic treatment planning. Post-doctoral students are required to present patient diagnoses and proposed treatment plans for faculty and student discussion, to include treatment modality presentations by students. Prereq: DSOR 5107, DSOR 5207, DSOR 5307, DSOR 6107, DSOR 6207, DSOR 7107.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 7208 - Current Literature Review 7 (1 Credit)

Course is the study, analysis and discussion of journal articles and topics that are prominent in orthodontics within the previous year. Post-doctoral students critically review and analyze the articles to determine advances in the art and science of orthodontics. Prereq: DSOR 5108, DSOR 5208, DSOR 5308, DSOR 6108, DSOR 6208, DSOR 7108.

Grading Basis: Letter Grade

DSOR 7212 - Orthodontic Clinical Teaching 2 (4 Credits)

This post-doctoral course requires the student to teach basic orthodontic diagnostic and treatment techniques to the predoctoral dental student.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 7300 - Current Literature Review 8 (0.6 Credits)

This postgraduate course in dentistry is an advanced course studying orthodontic literature, concentrating on evidence based orthodontic treatment.

Grading Basis: Letter Grade

Typically Offered: Spring.

DSOR 7307 - Treatment Planning 8 (2.3 Credits)

This postgraduate course in dentistry is an advance course studying orthodontic treatment diagnosis, treatment planning and treatment results.

Grading Basis: Letter Grade

Typically Offered: Spring.

DSOR 7311 - Scientific Writing & Evaluation (1.8 Credits)

This graduate course in dentistry is an in-depth study of scientific writing to prepare the student to evaluate the literature as well as to prepare a scientific manuscript for publication.

Grading Basis: Letter Grade with IP

Typically Offered: Summer.

DSOR 7312 - Orthodontic Clinical Teaching 3 (1.1 Credits)

This post-doctoral course requires the student to teach basic orthodontic diagnostic and treatment techniques to the pre-doctoral dental student.

Grading Basis: Letter Grade

Typically Offered: Spring.

DSOR 7846 - Research 6 (5.3 Credits)

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project. Prereq: DSOR 5841, DSOR 5842, DSOR 5843, DSOR 6844, DSOR 6845.

Grading Basis: Letter Grade

DSOR 7847 - Research 7 (6 Credits)

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project. Prereq: DSOR 5841, DSOR 5842, DSOR 5843, DSOR 6844, DSOR 6845, DSOR 7846.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 7848 - Research 8 (2.8 Credits)

Postgraduate course study requiring student to select research topic, define research question, do literature search on the topic, organize research project, carry out project, collect and analyze the results and write a publishable manuscript on the project.

Grading Basis: Letter Grade

Typically Offered: Spring.

DSOR 7934 - Clinical Orthodontics 8 (7.6 Credits)

This postgraduate course involves the advanced treatment orthodontic problems and patient care. Supervision is provided by educationally qualified orthodontists to provide high quality and efficient clinical patient care.

Grading Basis: Letter Grade

Typically Offered: Spring.

DSOR 7936 - Clinical Orthodontics 6 (8.4 Credits)

This post-doctoral course involves the advanced treatment of orthodontic problems and patient care. Supervision is provided by educationally qualified orthodontists to provide high quality and efficient clinical patient care. Prereq: DSOR 5931, DSOR 5932, DSOR 5933, DSOR 6934, DSOR 6935.

Grading Basis: Letter Grade

DSOR 7937 - Clinical Orthodontics 7 (9.8 Credits)

This post-doctoral course involves the advanced treatment of orthodontic problems and patient care. Supervision is provided by educationally qualified orthodontists to provide high quality and efficient clinical patient care. Prereq: DSOR 5931, DSOR 5932, DSOR 5933, DSOR 6934, DSOR 6935, DSOR 7936.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 7938 - Clinical Problems 1 (0.9 Credits)

Course is a case-based course to study clinical problems encountered in the practice of orthodontics by the orthodontic specialist. It requires the student to analyze and then present the records of patients who encountered less than ideal results during treatment.

Grading Basis: Letter Grade

DSOR 7939 - Clinical Problems 2 (1.1 Credits)

Course is a case-based course to study clinical problems encountered in the practice of orthodontics by the orthodontic specialist. It requires the student to analyze and then present the records of patients who encountered less than ideal results during treatment.

Grading Basis: Letter Grade

DSOR 7940 - Orthodontic Retention I (1 Credit)

Retention techniques, clinical studies in retention, and study of post-treatment changes in orthodontic patients. Prereq: Successfully completing Years 1 and 2 of the postgraduate program in Orthodontics and Dentofacial Orthopedics.

Grading Basis: Letter Grade

Typically Offered: Fall.

DSOR 7941 - Orthodontic Retention II (0.6 Credits)

Retention techniques, clinical studies in retention, and study of post-treatment changes in orthodontic patients. Prereq: Successfully completing years 1 and 2 of the postgraduate program in Orthodontics and Dentofacial Orthopedics and successful completion of the DSOR 7940.

Grading Basis: Letter Grade

Typically Offered: Spring.

DSOR 8317 - Advanced Diagnosis of Oral Lesions (0.6 Credits)

The course in Advance Diagnosis of oral lesions is a 10 clock hour course that covers the assessment and management of odontogenic cysts and tumors, mucosal soft tissue disease, oral cancer and pre-cancer, and fibro-osseous lesions of the jaws. The course is taught using a clinicopathologic conference and seminar format.

Grading Basis: Letter Grade

Typically Offered: Spring.