



CITY OF PORTLAND

Portland is a city of slightly over 300,000 population. Thus it has a metropolitan atmosphere and rating, while at the same time retaining the more desirable characteristics of a first class residential city. It is beautifully situated in a verdant valley near the confluence of the Columbia and Willamette rivers.

Portland is fortunate in having an equable climate. The Willamette valley, of which the Rose City is the great commercial center, is guarded upon the East by the mighty barrier of the Cascade Range against which the cold winter winds from the snow-blanketed plains beat in vain. To the West rise the Coastal mountains acting as a shield against the more blustery winds of the Pacific.

Great variations in temperature are, therefore, practically unknown, and zero thermometer readings are so rare as to be of historic importance. There is an occasional snowfall lasting but a few days and usually in the early part of January or February.

Nevertheless, winter sports in all their varieties are made possible by the proximity of Mount Hood, upon whose ample shoulders the Federal Government has built Timberline Lodge. But a short 50 miles from Portland, this million dollar hotel is the headquarters for all who seek relaxation and refreshment or exercise in Nature's resplendent outdoors.

Portland is also within easy reach of the sea. From the mouth of the Columbia to the borders of California the splendidly paved Oregon Coast highway presents a constantly unfolding vista of majestic marine landscape, while numerous beaches offer aquatic delight to all who are so inclined.

Thus with comparatively low living costs, an equable climate, and with a scenic setting second to none, Portland offers ideal conditions for permanent or temporary residence.

THE WESTERN STATES COLLEGE

SCHOOL OF CHIROPRACTIC
and
SCHOOL OF NATUROPATHY

GENERAL INFORMATION 1938-9

Schedule of Classes and Hours

This bulletin is entirely without padding or reiteration. It contains only the essential facts concerning the school and its work. It is intended to save the time and patience of the reader.

Address all communications to

REGISTRAR

WESTERN STATES COLLEGE

538 S. E. Alder Street

Portland, Oregon

1506 S.E. 11 AVENUE

Chartered by the State of Oregon

THE FACULTY

Director

A. Budden, D.C., N.D., B.T.Sc.

Vice-Director

H. A. McGlenning, N.D., D.C.

Dean

Elmira Brewer, D.C., B.A.

C. M. Hannon, D.C., N.D., B.T.Sc.

I. J. Neher, D.O.

Virgil MacMickle, N.D.

J. T. Piper, D.C., N.D., B.Sc.

L. K. von Pier, D.C.

C. E. Stewart, D.C.

E. T. Amstutz, J.D., B.Sc.

C. H. Stockton, B.A.

C. W. Hinkley, D.C., B.T.Sc.

J. W. Noble, Jr., N.D., B.T.A.

F. M. Walker, D.C., D.D.T.

R. I. Shadduck, D.C., N.D.

J. W. Sargent, D.C., N.D.

A. W. Paskins, N.D., B.T.Sc.

E. J. Ivie, D.C.

Student Counsellor

Hoy Snyder, B.S.Ed.

Registrar

Kathryn Budden

Librarian

John H. Lowe

WHICH SCHOOL?

The prospective student, having made up his mind to become a non-medical physician, is confronted with the question, "At what institution shall I study?"

Many factors enter into the consideration of this problem. If he has a High School diploma, and if he desires to qualify to practice in a liberal manner, the W. S. C. should appeal to him. All other things being equal, he should matriculate at this institution.

The Western States College has an enviable reputation throughout the continent. It is fortunate in the fact that it is under the control of Dr. A. Budden, a man of wide experience and ability.

He was for some years Dean of the National College, located in Chicago, and editor of the National Journal of Chiropractic; he is the author of numerous brochures on subjects related to the healing arts, as well as a lecturer and teacher of national reputation. As one of the leaders of the liberal movement, his contributions to the philosophy of non-medical healing have assisted in establishing it on a scientific basis.

Dr. Budden is supported by a Dean and Faculty of high standing and great ability. Every man and woman is a specialist in the department he presides over.

The Clinical Department, which is fully equipped and modern in every respect, is under the general supervision of Dr. H. A. McGlenning, who was in charge of the Chicago General Health Service before coming West. Dr. McGlenning was also attached to the Clinical Staff of the internationally known Lindlahr Health Cure Sanatorium, as well as being a faculty member of the National College of Chiropractic, Chicago.

The College equipment is of the best and up-to-date. The various branches of the healing art are taught in a practical and proper manner; modern laboratories provide for the study of diagnosis, anatomy, and pathology.

All these factors contribute to make the Western States College an outstanding institution and possession of a diploma of the W. S. C. is a guarantee of efficiency for which the public has come to look.

3. Evidence of completion of the required course of 4 years of 9 months each. (Note: Any avoidable absences or failure in any subject must be made up to the satisfaction of the Faculty.)

4. The degree of Doctor of Chiropractic or Doctor of Naturopathy will be granted upon the successful completion of the 4 year course; both degrees cannot be earned at the same time. (See "Degrees Conferred.")

EXAMINATIONS FOR LICENSE

All applicants for license to practice any of the healing arts in Oregon are required to take preliminary examinations before examiners appointed by the Board of Higher Education in the following subjects: Anatomy, Chemistry, Physiology, Pathology, and Hygiene and Sanitation.

The State Board of Chiropractic Examiners and the State Board of Naturopathic Examiners conduct examinations and issue licenses to practice. Students are not permitted to practice outside of the college clinic until they are graduated and licensed.

DEGREES CONFERRED

Doctor of Chiropractic (D.C.)

Doctor of Naturopathy (N. D.)

Bachelor of Therapeutic Arts (B. T. A.)

Bachelor of Therapeutic Sciences (B. T. Sc.)

Degree of Doctor of Chiropractic or Doctor of Naturopathy is conferred upon successful completion of the regular course of 4 years of 9 months. After receiving either the D. C. or N. D. degree, the other degree may be secured by an additional 4 months work; both degrees cannot be awarded within the regular course.

Degree of Bachelor of Therapeutic Arts is conferred upon completion of the regular 4 year course for the degree D. C. or N. D., to students who maintain an average of 85% in all subjects and upon acceptance by the Faculty of a thesis of not less than 5000 words on subject to be indicated by the Dean.

Degree of Bachelor of Therapeutic Sciences is granted: (I) To one who has acquired at least two degrees in therapeutics from reputable schools (one of which must be either D. C. or N. D.) and who has received his B. T. A. degree from the Western States College; and in addition thereto, has practiced at least 12 months, and completed a thesis discussing and analysing the philosophies of the standard healing arts; or for original research in non-medical healing. (II) By consent of the college Faculty for outstanding work in non-medical therapeutics. Note: B. T. A. degree is, in all cases, one of the pre-requisites leading to B. T. Sc. degrees, except where granted under clause II.

RECIPROCITY AND RECOGNITION

The diploma of the Western States College is recognized throughout the United States and in some provinces of Canada. Oregon reciprocates with all other states having laws equal to the Oregon Statutes.

POST GRADUATE COURSES

For the graduate doctor who wishes to avail himself of the new advancements and the latest technique in non-medical practice, and who realizes the importance of keeping up with the advancements made in his profession, we offer attractive courses at nominal costs.

Post Graduate work is given yearly. These are short vacation courses comprising special instruction in new advancements in the field of non-medical arts and sciences.

Graduate doctors may enroll for the Short Summer Semester of two months duration, or take advantage of the special two weeks course given in the month of August each year.

TECHNICIANS COURSE

Clinical laboratory and X-ray technicians courses are also offered by the college, the entrance requirements being high school education. The duration of the combined course is 12 months, and the tuition is \$250.00. The individual course is of 6 months duration, and the tuition is \$150.00. Fees payable monthly if preferred.

The instruction under the heads of the X-ray and laboratory departments, insures a course of training calculated to fit the applicant for employment either in private offices or in clinics and institutional work.

The scope of the laboratory work consists of lectures in basic anatomy, bacteriology, chemistry, and public health, and laboratory training in urinalysis, blood chemistry, gastric analysis, fecal analysis, and general serological methods. Textbook: "Clinical Diagnosis by Laboratory Methods" by Todd and Sanford.

The X-ray work includes osteological, soft tissue, dental, barium enema, motor-meal, and stereopticon technique. Textbook: "Modern X-Ray Technic" by E. C. Jerman.

LIVING CONDITIONS

Living conditions are lower in Portland than in the Middle West and East. Four students rooming together in a rented apartment and doing their own cooking and laundry can live as conservatively as \$15.00 per month. Board and room in private homes averages the student between \$20.00 and \$25.00 per month. There are several apartments and private residences near the school and within walking distance that offer accommodation for students.

STANDARD CURRICULUM

THIS regular standard curriculum as required by the college is designed to cover the legal requirements of the various states and provinces.

There are, however, several jurisdictions which require subjects not indicated in the curriculum. In such cases special preparation is given those who wish to qualify therefore.

NATUROPATHY

Pre-Clinical	Hours
HOW TO STUDY	45
ANATOMY—	
Osteology	90
Syndesmology	90
Myology	90
Angiology	60
Neurology	90
Dissection	90
Splanchnology	90
Histology	108
Embryology	107
CHEMISTRY—	
Inorganic	90
Organic	90
Physiological	90
Toxicology	60
PHYSIOLOGY	270
PATHOLOGY—GENERAL and SPECIAL.....	270
BACTERIOLOGY and HYGIENE—	
Bacteriology	90
Public Health and Hygiene.....	180
Dietetics	120
OBSTETRICS and GYNECOLOGY.....	200
DIAGNOSIS—	
Physical	90
Laboratory	90
X-Ray	60
Clinical	180
Clinical Neurology	90

Clinical

NATUROPATHY—	
Theory, Practice, Philosophy	360
Pediatrics	60
Physiotherapy	255
Electrotherapy	165
Hydrotherapy	165
Abnormal Psychology	90
Anatomical Adjustment	90
History Taking	30
Clinics	300
Eye, Ear, Nose, Throat.....	60
Jurisprudence	60
Minor Surgery and First-Aid	60
Herbology	90
Proctology	20
Economics of Practice.....	45

Total — 4680

Subject to Change Without Notice

CHIROPRACTIC

Pre-Clinical	Hours
HOW TO STUDY	45
ANATOMY—	
Osteology	90
Syndesmology	90
Myology	90
Angiology	60
Neurology	90
Dissection	90
Splanchnology	90
Histology	108
Embryology	107
CHEMISTRY—	
Inorganic	90
Organic	90
Physiological	90
Toxicology	60
PHYSIOLOGY	270
PATHOLOGY—GENERAL and SPECIAL.....	270
BACTERIOLOGY and HYGIENE—	
Bacteriology	90
Public Health and Hygiene.....	180
Dietetics	120
OBSTETRICS and GYNECOLOGY.....	200
DIAGNOSIS—	
Physical	90
Laboratory	90
X-Ray	60
Clinical	180
Clinical Neurology	90

Clinical

CHIROPRACTIC—	
Theory, Practice, Philosophy	360
Pediatrics	60
Physiotherapy	165
Electrotherapy	165
Hydrotherapy	165
Abnormal Psychology	90
Palpation	90
History Taking	30
Clinics	300
Eye, Ear, Nose, Throat.....	60
Jurisprudence	60
Minor Surgery and First-Aid	60
Adjustment Chiropractic	180
Proctology	20
Economics of Practice.....	45

Total — 4680

Subject to Change Without Notice

DESCRIPTION OF COURSES AND TEXTBOOKS

HOW TO STUDY

A short introductory course including terminology to enable the freshman to more readily grasp the scope of the work he encounters during his school life. (45 Hours.)

ANATOMY

PROPER — This department embraces practical and didactic instruction in the osseous framework, the ligamentous attachments, the muscular coverings, the arteries, veins and lymphatics, the brain and nervous system, and the internal organs of the human body. (510 Hours.)

Textbook: Gray, "Textbook of Anatomy." 10.00

DISSECTION — On human cadavers. Sufficient material is provided so that proper and careful study is possible. (90 Hours.)

Textbook: Cunningham, "Dissector." 3.25

HISTOLOGY — A subdivision of anatomy, includes the study of cells of which the body is composed and is of vital necessity for the understanding of pathology and disease. The work is divided into two portions, didactic and laboratory. Each student is required to stain and to study a complete set of tissue slides. (108 Hours.)

Textbook: Maximow and Bloom, "Histology." 4.50

EMBRYOLOGY — The study of the development of the human organism in utero. A great deal of attention is paid to this course in the W. S. C. because it is considered to be a basic part of the philosophy of non-medical healing. The work covers the development of every portion of the body and makes clear the reason for malformations and atavistic tendencies which make up so large a part of disease as it is understood today. It includes lecture and laboratory work. The dissection of the dogfish and examination of the developmental history of bird eggs is covered in the laboratory. (107 Hours.)

Textbooks: Hunter, "Aids to Embryology." 1.25
Keith, "Human Embryology and Morphology." 10.00
Pratt, "Vertebrate Zoology."

CHEMISTRY

The department embraces inorganic, organic, and physiological chemistry and toxicology. The scope of this portion of the work is based upon the requirements for basic science examinations and upon the fact that a reasonable working knowledge of chemistry is of absolute importance to the modern non-medical physician.

INORGANIC — Inorganic chemistry involves as the name indicates an understanding of the structure and character of inorganic substances. (90 Hours.)

Textbook: McPherson, Henderson & Fowler, "Chemistry for Today." 1.80

ORGANIC — Organic chemistry is a study of the hydro carbons and their derivatives. (90 Hours.)

Textbook: Conant, "Organic Chemistry." 3.00

PHYSIOLOGICAL — Physiological chemistry, sometimes called bio-chemistry, discusses and examines the chemistry of the human body. (90 Hours.)

Textbook: Bodansky, "Introduction to Physiological Chemistry." 4.00

TOXICOLOGY — A course dealing with the principal facts relating to poisons and their antidotes. (60 Hours.)

Textbook: Brundage, "Toxicology." 5.00

PHYSIOLOGY

The study of the functions of the human body including those of digestion, absorption, metabolism, respiration, physiology of the nervous system and circulation. (270 Hours.)

Textbook: Zoethout, "Textbook of Physiology." 4.00

PATHOLOGY

Pathology is defined as the study of the tissue changes which occur as a result of disease or which produce disease. No clear understanding of the nature of human sickness is possible without this study. The course includes general and special pathology and is given both as class work and in the laboratory. The student is required to make and stain pathological frozen sections and also to study gross specimens. (270 Hours.)

Textbook: Delafield & Prudden, "Textbook of Pathology." 10.00

BACTERIOLOGY

Modern bacteriology is essential to the equipment of any person contemplating care of the sick. It is taught in a manner which brings to the student not only views of the orthodox bacteriologists, but interprets the facts in the light of drugless philosophy. A large portion of the work is taken in the laboratory in the making of vaccines, cultures, stains, slides, etc. (90 Hours.)

Textbook: Zinsser, "Textbook of Bacteriology." 8.00

HYGIENE AND PUBLIC HEALTH

Perhaps one of the most important subjects in the whole of the curriculum. The course is divided into preventive therapeutics and general health work. It includes planning and installation of sewage systems, water control and delivery, house plumbing, study of occupational diseases and their prevention, social and economic forces in their relation to venereal diseases, eugenics and control of infectious and communicable diseases, birth and death statistics, personal and social hygiene, etc. Laboratory work and conducted tours of water, sewage, and production plants are part of this course. (180 Hours.)

Textbook: Boyd, "Preventive Medicine." 5.00

DIETETICS

A division of physiotherapy. A practical course involving the new views of nutrition and designed to fit the doctor to administer to the dietetic needs

of his patient in an intelligent manner. Clinical application of dietetic theories to individual cases with particular reference to mineral and vitamin base of nutrition. (120 hours.)

Textbook: Sherman, "Chemistry of Food and Nutrition." 3.25

OBSTETRICS

From the point of view of the non-medical physician with particular insistence upon those methods and procedures which are efficacious and drugless. The course includes the care of the prospective mother with relation to diet and adjustment, the technique of delivery, as well as post partum care. (100 Hours.)

Textbook: Williams, "Obstetrics." 10.00

GYNECOLOGY

A course of instruction in the diseases of women and their treatment by non-medical, adjustive, dietetic, electrical and other methods. (100 Hours.)

Textbook: Crossen, "Diseases of Women." 10.00

DIAGNOSIS

PHYSICAL — The course embraces the study of objective symptoms. It is designed to train the prospective doctor to carefully study, analyze, and interpret all the symptoms which are apparent upon careful inspection. Cabot's textbook is used and is supplemented by the introduction of methods and procedures which have been elaborated and developed by the staff of the institution. (90 Hours.)

Textbook: Cabot, "Textbook of Physical Diagnosis." 5-

LABORATORY — A thorough training is given here in the making of slides, smears, stains, blood counts, blood chemistry procedures, gastric and fecal analysis, urinalysis, etc. The course is designed to fit the student to do his own laboratory work in practice should he so choose. (90 Hours.)

Textbook: Todd and Sanford, "Clinical Diagnosis by Laboratory Methods." 6-

X-RAY — This course provides the prospective doctor with a knowledge of the art of taking, developing and interpreting X-ray pictures. It includes all types of work except the use of the X-ray in the treatment of disease. It is purely diagnostic. The student is taught the uses of barium, motor-meal and enemata, as well as osseous tissue technique. The interpretation of films is made in conformity with the philosophy and practice taught in the school. (60 Hours.)

Textbook: Jerman, "Modern X-Ray Technique." 0.00

CLINICAL — A summation of laboratory and physical diagnosis. The adding up of subjective, objective and laboratory indications. A fascinating and absolutely necessary study. One of the strong points of the work at the W. S. C. Includes clinical neurology. (270 Hours.)

Textbook: Bulter, "Diagnostics of Internal Medicine." 10.00

CHIROPRACTIC AND NATUROPATHY

PEDIATRICS — The study of disease and development of childhood. This course is adapted particularly to the needs of the drugless physician. The recent spread of non-medical child clinics makes this department of particular importance. (60 Hours.)

Textbook: Zahorsky, "Synopsis of Pediatrics." 4-

PHYSIOTHERAPY — The word literally means "treatment by natural methods," and under this heading is included corrective exercise, massage, therapeutics of food, etc. Electrotherapy and hydrotherapy are placed under separate departments in the curriculum. (90 Hours Class, 75 Hours Prac.)

Textbook: Goldthwaite, "Body Mechanics." 4-

ELECTROTHERAPY — The study of the relation of electrical energy to the treatment of disease. Including coagulation, dessication and dehydration of tonsils, hemorrhoids, skin neoplasms and anomalies. The course includes the subdivision of light therapy, high and low frequency, short wave, helio therapy and thermo therapy. The student learns the practical use of these modalities in the clinic. (90 Hours Class, 75 Hours Prac.)

Textbook: Kovacs, "Electrotherapy and Light Therapy." 7.50 7.50

HYDROTHERAPY — Literally the treatment of disease by water. Includes use of baths, sprays, compresses, packs, and colon irrigations. Work is given under competent instruction and especially adapted to bedside cases. (90 Hours Class, 75 Hours Prac.)

Textbook: Luke, "Manual of Natural Therapy." X

ABNORMAL PSYCHOLOGY — This course is a logical extension of clinical neurology. It enables the non-medical physician to detect and handle the various phases of borderline insanity and mental aberration. It includes the work of the psychiatrist as well as those of the psycho-analytical school. It is built, however, principally around the individual psychology of Alfred Adler. (90 Hours.)

Textbooks: Nicole, "Psychopathology." 4.75
The works of Alfred Adler.

EYE, EAR, NOSE, AND THROAT — The course is particularly adapted to the use of the non-medical general practitioner. It includes the study of all non-surgical methods possible in dealing with the treatment of the above-named organs. The minor surgical procedure of electrical tonsil coagulation is also part of the work. (60 Hours.)

Textbooks: May, "Diseases of the Eye." 4.00
Sipes, "Eye, Ear, Nose and Throat."

JURISPRUDENCE — A carefully considered course designed to equip the student with a sound working knowledge of the relations of the doctor to the law. It covers the work given in the textbook "Medical Jurisprudence" by Brothers, with particular reference, however, to the position of the non-medical physician. (60 Hours.)

Textbook: Brothers, "Medical Jurisprudence." 3.50

THEORY, PRACTICE, AND PHILOSOPHY — Theory and philosophy of Chiropractic and Naturopathy are taught in the W. S. C. according to modern principles. The work includes the history, development, and theoretical position of Chiropractic and Naturopathy in the world at large and in particular relation to other healing arts. The philosophical background is dealt with in a manner consistent with biology and its various supporting sciences. Practice is the application of the theory to the treatment of disease enlightened by general discussion of individual cases in class and clinics. (360 Hours.)

Textbooks: Loban, "Technic and Practice of Chiropractic."
Juettner, "Non-Medical Therapeutic Methods."

PALPATION — A major requirement given under instruction of one of the most competent teachers on the West coast. The student is taught to locate and determine the nature of the deviations from normal which occur in the articulations of the human body. A course preparatory to instruction in adjustment. (90 Hours.)

Textbook: Loban, "Technic and Practice of Chiropractic."

HISTORY TAKING — Includes theory and practice of obtaining from patients all information necessary to the understanding of their various cases. (30 Hours.)

MINOR SURGERY AND FIRST-AID — This course develops the art of minor surgery with particular relation to electrotherapy. Under this heading is taught all those surgical procedures in which major anesthesia is not used and in which there is no incision into the skull, thorax or abdomen. First-Aid is taught according to the rules of the American Red Cross Association, and the student is required to conform to the conditions laid down by that institution. He must demonstrate a practical knowledge of resuscitation and bandaging in all its forms. (60 Hours.)

Textbook: Hertzler & Chesky, "Minor Surgery."

ADJUSTMENTS — The college has developed and teaches a system of adjustment which includes all that is valuable in adjustive technique. Instructions are given by specialists in these arts and is calculated to give the student a thorough knowledge of this basis of Chiropractic practice. (180 Hours.)

Textbook: Loban, "Technic and Practice of Chiropractic."

CLINICS — Under this heading a student is required to examine, diagnose and treat clinical patients. In the first phase the treatment is entirely adjustive, and in the second or senior group whatever modality is necessary for the treatment of the case is at the disposal of the patient. The method applied is to encourage the student to treat the case as though it were actually in his office with the added advantage that it also is a matter of research. The student has at hand the various laboratories attached to the clinic, and he uses whatever is required in order to arrive at an intelligent understanding of his procedures. (300 Hours.)

ANATOMICAL ADJUSTMENT — Under this heading is included not only manipulative therapeutics, but the readjustment and reeducation of the body to restore posture and increase visceral activities. (90 Hours.)

Textbooks: Goldthwaite, "Body Mechanics."
Marlin, "Manipulative Treatment."

HERBOLOGY or PHYTO-THERAPY — A study of the habitat, characteristics, and therapeutic uses of wild or cultivated plants. The course is arranged so that field work is necessary for the collection of specimens in the living form and their mounting and preservation for study. Also the application of the knowledge thus gained in the treatment of disease. (90 Hours.)

Textbook: Grieve, "Modern Herbal."

PROCTOLOGY — That branch of the healing arts treating the rectum and its diseases. Based upon non-medical methods, this work rounds out the clinical work of the student. (20 Hours.)

ECONOMICS OF PRACTICE — A short course for the purpose of enlightening the student as to the business side of his future career. (45 Hours.)

RULES AND REGULATIONS

Students are required to subject themselves at all times to the supervision of the Dean and Faculty.

Students are required to abide by the rules governing attendance in classes, clinics and laboratories.

Students are required to maintain that decorum during school hours which is proper and becoming to those qualifying for the learned professions.

Students who violate the rules and regulations will be called before the Dean and Faculty, whose adjudication of the case will be final.

Final grades for each semester are granted by the Dean and Faculty. Grades for graduation must also be passed upon by the same body.

Tuition is payable monthly, and not later than the 10th of each month. Receipt in full for all sums due the college must be filed with the Registrar before the student will be permitted to graduate.

All schedules are subject to change without notice.