

BULLETIN  
OF THE

*Western States College*



1952-1953

EDUCATIONAL SECTION

HEALTH RESEARCH FOUNDATION

4525 S. E. 63RD

PORTLAND, OREGON

VOLUME  
No. XXVIII

MAY  
1952

BULLETIN

*Western States College*

SCHOOLS OF

*Chiropractic and Naturopathy*

*Annual Catalog*

1952-1953

*Accredited by the National Council of Education of National Chiropractic  
Assn. and Competent Naturopathic Authorities in the U.S.A.*

*Accredited by the Canadian Assn. of Naturopathic Physicians  
and Provincial Authorities.*

# APPLICATION FOR MATRICULATION

*in the*

## WESTERN STATES COLLEGE

4525 S. E. 63RD AVENUE  
PORTLAND, OREGON

Date \_\_\_\_\_

I, \_\_\_\_\_  
do hereby make application for enrollment in the WESTERN STATES COLLEGE for a  
course of instruction and education leading to the degree, Doctor of \_\_\_\_\_

Schools Attended: If a graduate, give date of diploma and degree;  
if not, state time in attendance.

HIGH SCHOOL \_\_\_\_\_ Graduated \_\_\_\_\_

COLLEGE \_\_\_\_\_ Graduated \_\_\_\_\_

PROFESSIONAL SCHOOLS \_\_\_\_\_

Date of Birth \_\_\_\_\_ Married \_\_\_\_\_ Single \_\_\_\_\_

Veteran \_\_\_\_\_ Non Veteran \_\_\_\_\_

I became interested in this field through the influence of \_\_\_\_\_

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Permanent Home Address

References:  
\_\_\_\_\_  
\_\_\_\_\_

NOTE: Official transcripts of all previous school records must be sent to the Western  
States College, 4525 S. E. 63rd Ave., Portland, Oregon, for permanent record.

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## NOTICE

The college reserves the right to change at any time any of its regulations affecting students. Such regulations regarding admission, graduation, etc., shall become effective whenever the proper authorities may determine and shall apply to current students as well as future ones.

1952	OCTOBER							1952
S	M	T	W	T	F	S		
			1	2	3	4		
5	6	7	8	9	10	11		
12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30	31			

# Academic Calendar

Year 1952-1953

## FALL QUARTER

Registration ..... September 26  
 Classes Begin ..... September 29  
 Armistice Day Holiday ..... November 11  
 Mid-Quarter Exam ..... November 13-14  
 Thanksgiving Holiday ..... November 27-28  
 Quarter Exam ..... December 18-19  
 Christmas Vacation ..... December 19 to December 29

1952	NOVEMBER							1952
S	M	T	W	T	F	S		
						1		
2	3	4	5	6	7	8		
9	10	11	12	13	14	15		
16	17	18	19	20	21	22		
23	24	25	26	27	28	29		
30								

1952	DECEMBER							1952
S	M	T	W	T	F	S		
			1	2	3	4	5	
6	7	8	9	10	11	12	13	
14	15	16	17	18	19	20		
21	22	23	24	25	26	27		
28	29	30	31					

1953	JANUARY							1953
S	M	T	W	T	F	S		
					1	2	3	
4	5	6	7	8	9	10		
11	12	13	14	15	16	17		
18	19	20	21	22	23	24		
25	26	27	28	29	30	31		

1953	FEBRUARY							1953
S	M	T	W	T	F	S		
1	2	3	4	5	6	7		
8	9	10	11	12	13	14		
15	16	17	18	19	20	21		
22	23	24	25	26	27	28		

## WINTER QUARTER

Classes Begin ..... December 29  
 Mid-Quarter Exam ..... February 13  
 Washington's Birthday Holiday ..... February 22  
 Quarter Exam ..... March 26-27

# Academic Calendar

Year 1952-1953

## SPRING QUARTER

Spring Vacation ..... March 28 to April 5  
 Classes Begin ..... April 6  
 Mid-Quarter Exam ..... May 14-15  
 Memorial Day ..... May 30  
 Quarter Exam ..... June 29-30

1953	MARCH							1953
S	M	T	W	T	F	S		
1	2	3	4	5	6	7		
8	9	10	11	12	13	14		
15	16	17	18	19	20	21		
22	23	24	25	26	27	28		
29	30	31						

1953	APRIL							1953
S	M	T	W	T	F	S		
				1	2	3	4	
5	6	7	8	9	10	11		
12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30				

1953	MAY							1953
S	M	T	W	T	F	S		
							1	
							2	
3	4	5	6	7	8	9		
10	11	12	13	14	15	16		
17	18	19	20	21	22	23		
24	25	26	27	28	29	30		
31								

## SUMMER TERM

Classes Begin ..... July 1  
 Independence Day Holiday ..... July 4  
 Final Exams. .... July 30-31

1953	JUNE							1953
S	M	T	W	T	F	S		
		1	2	3	4	5	6	
7	8	9	10	11	12	13		
14	15	16	17	18	19	20		
21	22	23	24	25	26	27		
28	29	30						

1953	JULY							1953
S	M	T	W	T	F	S		
				1	2	3	4	
5	6	7	8	9	10	11		
12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30	31			

## ADMINISTRATIVE OFFICERS

### BOARD OF TRUSTEES

W. A. BUDDEN, D.C., N.D.	Portland, Oregon
MILTON I. HIGGENS, D.C., N.D.	Coeur d'Alene, Idaho
FRANK FINNELL, D.C., Opt. D.	Portland, Oregon

### COLLEGE ADMINISTRATION

W. A. BUDDEN, D.C., N.D.	President of the College
H. V. REEVES, D.C., N.D.	Dean School of Chiropractic
VIRGIL McMICKLE, N.D., D.C.	Dean Emeritus, Dean School of Naturopathy
A. D. MAY, B.S., D.C., N.D.	Director of Clinics
KATHRYN MARY BUDDEN	Bursar
RALPH M. FAILOR, B.A.	Assistant Registrar
ELIZABETH B. MURRAY	Secretary
MURIEL DUCHEMIN	Clinic Secretary
CHARLES E. ADAMS, JR.	Librarian

### INSTRUCTIONAL STAFF

W. A. BUDDEN, D.C., N.D.	Professor
H. V. REEVES, D.C., N.D.	Professor
W. M. BLEYTHING, M.S., D.C., N.D.	Professor
J. M. OLIVER, D.C., N.D.	Assistant Professor
R. E. ELLIOTT, D.C., N.D.	Assistant Professor
W. W. TAYLOR, D.C., N.D., B.S.	Assistant Professor
L. O. SWEATT, D.C., B.S.	Assistant Professor
R. H. MEYER, D.C., N.D.	Assistant Professor
FRANK FINNELL, D.C., Opt. D.	Associate Professor
C. KENNEDY, D.C., N.D.	Associate Professor
P. CLARK, D.C., N.D.	Associate Professor
RAYMOND KLIER, D.C., N.D.	Assistant Professor
L. K. VON PIER, D.C.	Assistant Professor
I. C. LAMON, B.S., N.D.	Assistant Professor
E. G. SAMUEL, D.C., N.D.	Director Clinical Lab.
L. O. SWEATT, D.C., B.S.	Director X-ray Lab.
W. J. GALLAGER, D.C., N.D.	Clinical Associate
R. I. SHADDUCK, N.D.	Clinical Associate
J. T. PIPER, B.S., D.C., N.D.	Clinical Associate
A. L. LATHAM, N.D., D.C.	Clinical Associate
H. M. TIMM, B.S., D.M.D., N.D.	Clinical Associate

B. A. SMITH, D.C., N.D.	Clinical Associate
HAROLD HULME, N.D.	Clinical Associate
G. V. PEFLEY, D.C., N.D.	Clinical Associate
MILTON I. HIGGENS, D.C., N.D.	Clinical Associate
F. I. GODDARD, D.C., N.D.	Clinical Associate
C. R. BEATTY, D.C.	Clinical Associate
F. P. RUTZ, D.C., N.D.	Clinical Associate
GENEVA NELSON, D.C., N.D.	Clinical Associate
E. G. WIESE, D.C.	Clinical Associate
BETH SCHMIDT, D.C., N.D.	Clinical Associate
ARCHIE W. ALLEN, D.C., N.D.	Clinical Associate
ARTHUR JOHNSON, D.C., N.D.	Clinical Associate
EDWARD GERSTNER, D.C., N.D.	Assistant Instructor
DOUGLAS MILLER, D.C., N.D.	Assistant Instructor
E. DONOVAN MATTSON, D.C., N.D.	Assistant Instructor
WILLIAM A. FIELDS, D.C., N.D.	Assistant Instructor
APPA ANDERSON	Assistant Instructor
JAMES M. HOWARD	Assistant Instructor
ILA HUENERGARDT	Assistant Instructor

## CLINICS

Clinics are in continuous operation and treatment is available (both Naturopathic and Chiropractic) at several levels.

SENIOR CLINIC AND JUNIOR CLINICS operated under direction of Dr. Ariel D. May and assistants.

CHILD CLINIC: Free diagnosis and treatment, conducted by Dr. Robert E. Elliott and clinical associates. Senior students assisting.

OBSTETRICS: Drs. Wiser, Samuel, and Robert Elliot, cooperating. Indigent cases, pre-term, delivery, and post-term care are handled on a basis of absolute cost or without charge.

All clinics are operated in conjunction with fully equipped clinical and X-ray labs. Basal metabolism, micro-dynameter, and visual nerve tracing apparatus are used to support diagnosis. Blood count and urinalysis required of each patient.

# General Information

## ORGANIZATION

Western States College is organized on a term basis. Each term is of three months' duration. The school year consists of three terms, or nine months in all, extending from the beginning of October to the end of June next following. A term hour is equal to 30 class hours. The majority of courses are of two term hours or sixty class hours—net length of class hour 60 minutes.

## ACCREDITATION

The school of Chiropractic conducted by Western States College is accredited by National Council of Education of the N.C.A. and School of Naturopathy by competent Naturopathic authorities and in the Dominion by the Canadian Association of Naturopathic Physicians and Provincial Authorities. Students in good standing who wish to transfer from other recognized Chiropractic or Naturopathic Colleges will receive full credit for all courses satisfactorily completed. The College is approved by the Veterans Administration for training under P. L. 346 and P. L. 16.

## ADMISSION AND REGISTRATION

The minimum requirement for admission to the Freshman class of Western States College is the completion of a standard four-year high school course. An equivalent will be accepted only when approved by the State or County Superintendent of Education or other validating officer.

Candidates should make application for admission as early as possible before the beginning of the Fall quarter. Proper forms for matriculation may be secured from the College.

The official transcript of the student's record must be on file when the student comes to register.

## HIGH SCHOOL PREPARATION

Recommended High School Course: For those who are entering high school the following course, which meets all the formal requirements, is strongly recommended.

English .....	4
Algebra .....	1½
Geometry .....	1
Physics .....	1
Chemistry .....	1
Latin, German or French.....	2
History .....	1
Biology .....	2
Electives .....	1½

## ADMISSION TO ADVANCED STANDING

Western States College will grant advanced standing to students from other recognized schools upon the presentation of complete official transcript of their records in schools and colleges formerly attended. Credit will be granted for subjects germane to the healing arts.

## EXAMINATION AND STANDING

Examinations are held mid-term and at the end of each quarter. Students must comply with the following requirements.

1. Attendance of not less than 90% of the regular classes in any course.
2. A final grade of C must be attained. Where students receive a grade of "incomplete" they may take a special examination upon completion of the work in which the "incomplete" grade was given. All incompletes must be made up during the term following satisfactorily to the teacher before further progress is possible.

All excuses for absence or tardiness must be taken up with the teacher who will decide as to the validity thereof. Absence beyond the allowable ten percent will result in loss of credit for the current quarter and a grade of *incomplete* in the class from which the student has absented himself.

## REQUIREMENTS FOR GRADUATION

Eligibility for receiving a degree from this institution rests upon the following conditions:

1. Applicant for degree must be at least 21 years of age and must have a reputation for good moral character.
2. Must have passed final qualifying examinations.
3. A candidate for the degree of Doctor of Chiropractic or Doctor of Naturopathy must complete satisfactorily the curriculum prescribed by the faculty of the College. All candidates for degrees are required to be present at the Commencement exercises to receive their diplomas in person. The degree of Doctor of Chiropractic or Doctor of Naturopathy is conferred by the Western States College upon the recommendation of the faculty of the College.

## RECIPROCITY AND RECOGNITION

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

## SUMMER TERM

The regular post graduate course is conducted during the summer term. Make-up assignments may be completed. Courses in basic sciences are available. Clinical studies are continued throughout the whole term.

## DEGREES CONFERRED

The Degree of Doctor of Chiropractic is conferred upon successful completion of the regular course of four (4) years of nine (9) months each.

The Degree of Doctor of Naturopathy is conferred upon successful completion of the regular course of four (4) years of nine (9) months each.

Both degrees cannot be awarded within the one period of four years of nine (9) months.

Persons wishing to qualify for either of the above degrees who are graduates of schools requiring less than four years of nine (9) months each must conform to academic standards as set forth by the Western States College.

Graduates from schools of Chiropractic having requirements equal to the Western States College may qualify for a degree of Doctor of Naturopathy by an additional year of resident study.

Graduates from schools of Naturopathy having requirements equal to the Western States College may qualify for a degree of Doctor of Chiropractic by an additional year of resident study.

Degree of Bachelor of Therapeutic Sciences is conferred upon completion of the regular four (4) year course for the Degree of D.C. or N.D. and upon acceptance by the faculty of a thesis of not less than 5,000 words on subjects to be indicated by the Dean.

The degree, Master of Therapeutic Sciences, is conferred upon applicants who have been granted B. T. S. degree; who have practiced at least two years and who in addition have submitted a thesis acceptable to the faculty on any major phase of practice or for original research in non-medical healing.

## FEEES

Tuition fees are \$275.00 per school year. The total cost of the four year course is thus \$1100.00 payable \$50.00 the first month and \$30.00 per calendar month thereafter. This will include all legal holidays and authorized vacation periods. Additional special fees are as follows:

Matriculation Fee .....	\$ 5.00
Dissection Fee .....	25.00
Graduation Fee .....	15.00
Laboratory Fees (including Physiological, Histological, Bacteriological, Embryological), each course.....	5.00
X-ray Laboratory Fee.....	10.00
Clinical Laboratory Fee.....	10.00
Fee for special examinations.....	1.00

A fee of One Dollar is charged for each transcript of credits issued after the first, which is issued free of charge.

The fee for Student Body activities is \$15.00 per school year, payable at the beginning of the fall term.

*All fees must be paid in full before a diploma is issued.*

## REQUIRED EQUIPMENT

Students are required to obtain such equipment for clinical and diagnostic courses as is necessary for the proper mastery of the various subjects.

## SCHOLARSHIPS

The Health Research Foundation each year has two scholarships available to one man and one woman. These scholarships are made at the discretion of the Board of Trustees.

## THE W. A. BUDDEN SCHOLARSHIP

Tuition for one person for one year granted by the Oregon Association of Chiropractic Physicians.

## TECHNICIANS' COURSES

The college offers a six month Clinical Laboratory Course. Entrance requirement is high school; the tuition is \$300.00, payable monthly if desired.

A six month X-ray Technician's Course is also offered by the college. Entrance requirement is high school; the tuition is \$300.00, payable monthly if desired.

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: Todd & Sanford—"Clinical Diagnosis by Laboratory Methods."

Bray—"Synopsis of Clinical Laboratory Method."

The X-ray work includes osteological, soft tissue, dental, barium enema, motor-meal and stereoptic technique.

Textbook: Sante—"Manual of Radiological Technique."

Sante—"Principles of Roentgenological Interpretation."

## SENIOR QUALIFYING EXAMINATION

To become a Senior and thus eligible to apply for a degree, the student must have passed the Senior Qualifying Examination, which may be taken on scheduled dates during the Junior year and must also have completed 106 term hours with a "C" average.

## THE LIBRARY

The College library contains some 3000 volumes and is open both to students and the practitioner during stated hours of the day.

## LIVING CONDITIONS

Living conditions are as moderate in Portland as elsewhere in the U.S.A. Apartments and private residences near the school and within walking distance offer accommodations for students.

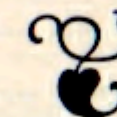
## School of Chiropractic

Founded 1908

The history of Chiropractic is largely the history of its schools. This is particularly true in the Northwest, where the energy and vision of the founder brought forth the D. D. Palmer School of Chiropractic in Portland, Oregon. As early as 1908, Dr. Palmer, together with Dr. LaValley, opened the doors of this pioneer institution.

Since that day Portland has been the seat of Chiropractic learning in the Northwest. An institute devoted to this purpose always has stood in the Rose City. The Western State College is, therefore, the lineal descendant and beneficiary of all that has gone before. It is carrying on the work of the founder as he would have desired it, in the modern manner.

Chiropractic literature also found its birthplace in Oregon. The original text, "The Chiropractic Adjuster," by D. D. Palmer, was published in Portland.





# Curriculum in Chiropractic

## Prescribed Work

### FIRST YEAR

#### Fall Quarter

COURSE No.	COURSE NAME	TERM CREDITS	CLASS HOURS
Anat. 111	Osteology .....	2	60
Chem. 101	Inorg. Chemistry.....	2	60
Anat. 151	Histology .....	2	60
Chiro. 101	Introduction to Chiropractic.....	2	60
Phys. 101	Physiology .....	4	120

#### Winter Quarter

Anat. 112	Osteology .....	1	30
Anat. 113	Syndesmology .....	1	30
Chem. 102	Inorganic Chemistry.....	2	60
Anat. 152	Histology .....	2	60
Phys. 102	Physiology .....	4	120
Anat. 211 & 212	Angiology & Lymphatics.....	2	60

#### Spring Quarter

Chem. 120	Organic Chemistry.....	2	60
Anat. 114	Myology .....	2	60
Bact. 131	Bacteriology .....	2	60
Phys. 103	Physiology .....	4	120
Chiro. 103	Splanchnology .....	2	60
Chiro. 117	First Aid .....	1	30
		35	1110

## SECOND YEAR

### Fall Quarter

COURSE No.	COURSE NAME	TERM CREDITS	CLASS HOURS
Bact. 130	Bacteriology .....	2	60
Path. 251	General Pathology.....	2	60
Chem. 221	Bio-Chemistry.....	2	60
Chiro. 211	Palpation .....	2	60
Hyg. 231	Public Health .....	2	60
Chiro. 250	Principles of Chiropractic .....	2	60

### Winter Quarter

Chem. 222	Bio-Chemistry .....	2	60
Hyg. 232	Public Health & Hygiene.....	2	60
Anat. 271	Anatomical Neurology.....	2	60
Path. 252	Special Pathology.....	2	60
Emb. 261	Embryology .....	2	60
Chiro. 222	Chiropractic Technique.....	2	60

### Spring Quarter

Anat. 272	Anatomical Neurology.....	2	60
Clinic 246	X-ray Technique.....	2	60
Emb. 262	Embryology .....	2	60
Chiro. 223	Chiropractic Technique.....	2	60
Chiro. 252	Seminar in Chiropractic..... (Pathology Case History Conference)	2	60

34 1020

### THIRD YEAR

#### Fall Quarter

COURSE No.	COURSE NAME	TERM CREDITS	CLASS HOURS
Gyn. 310	Gynecology .....	2	60
Anat. 313	Clinical Neurology.....	2	60
Diag. 328	Physical Diagnosis.....	2	60
Anat. 340	Dissection .....	4	120
Clin. 321	Junior Clinic.....	3	90

#### Winter Quarter

Anat. 314	Clinical Neurology.....	2	60
Diag. 329	Clinical Diagnosis .....	2	60
Obs. 311	Obstetrics .....	2	60
Chiro. 330	Hydrotherapy .....	2	60
Chiro. 332	Electrotherapy .....	2	60
Clinic 322	Junior Clinic .....	3	90

#### Spring Quarter

Chiro. 320	Theory and Practice of Chiro.....	2	60
Chiro. 331	Physiotherapy .....	2	60
Diag. 330	Clinical Diagnosis .....	4	120
Clinic 314	Clinical Laboratory.....	4	120
Clinic 323	Junior Clinic.....	3	90
		—	—
		41	1230

### FOURTH YEAR

#### Fall Quarter

COURSE No.	COURSE NAME	TERM CREDITS	CLASS HOURS
Chiro. 421	Eye, Ear, Nose & Throat.....	2	60
Clinic 427	X-ray Interpretation.....	2	60
Chiro. 443	Proctology .....	1	30
Chiro. 432	Minor Surgery.....	1	30
Clinic 413	Senior Clinic.....	6	180

#### Winter Quarter

Psyc. 430	Abnormal Psychology.....	2	60
Chiro. 446	Pediatrics .....	2	60
Chiro. 450	Jurisprudence .....	2	60
Chiro. 433	Endocrinology .....	2	60
Clinic 414	Senior Clinic.....	6	180

#### Spring Quarter

Chiro. 344	Dietetics .....	1	30
Chem. 341	Toxicology .....	1	30
Chiro. 324	Child, "OUT" Clinic and Obstetrics.....	3	90
Chiro. 452	Office Practice.....	2	60

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33 990

#### LABORATORY AND CLINIC SESSIONS

FIRST YEAR.....	Bacteriology, Histology
SECOND YEAR.....	X-ray Laboratory
	Chemistry Laboratory & Embryology
THIRD YEAR.....	Clinical Laboratory, Dissection, Diagnosis, Clinic

Total class hours required for graduation.....	4350
Total term hours required for graduation.....	143

## *Naturopathy*

The hippocratic physician saw nature as the healer of disease. The Latins spoke of *Vis Medicatrix Naturae*—a remedial force or impulse. The Germans called it "Natur Heiling," the self-recuperative power of the bodily system, independent of medicine.

It has been described also as the capability of living tissue, animal or vegetable, to remedy or remove disease, or to repair itself under the healing power of nature.

United in man with the dynamics of the mind, this matchless force constitutes the basis of naturopathic therapy.

To enlist it intelligently in the fight against disease is the whole art of non-medical healing.



## *School of Naturopathy*

*Founded 1923*

Although modern naturopathy originated in Europe around the ancient spas and "watering places," it was transplanted quite early to this continent. In the first quarter of the last century men and women, who were compelled to seek sanctuary and freedom in America as a result of the difficulties occurring around 1848, brought among other good things this time-honored method across the seas.

It soon reached the West Coast. In fact, what was perhaps the first law regulating non-medical healing was passed by the State of California. Early in the nineteen hundreds, this state had the distinction of leading the parade away from the old method and pointing the road for the new.

Shortly after this event, the State of Washington approved a law—in 1919 to be exact—regulating Naturopathy. It was to be known as "The Drugless Law." Then came Oregon in 1927, setting up a board of examiners and providing requirements for practice. It defined Naturopathy as "A system of treating the human body by drugless methods, which has for its object the maintaining of the body in, or restoring it to, a state of normal health."

In 1936 British Columbia joined the parade with the "Naturopathic Physicians Act." The California law was later repealed, being incorporated it was presumed at the time into the initiative measure creating a Chiropractic law. Schools had been organized in most cases before the laws were written. Both in California and Washington institution for teaching Naturopathy flourished. It was in Oregon, however, that the most definite advances were registered. The Northwest College of Naturopathy was founded by Dr. Sargent and associates in 1923. This was followed by the organization of the Pacific College of Naturopathy and finally by a permanent collegiate institution, established by the Western States College.

# Curriculum in Naturopathy

## Prescribed Work

### FIRST YEAR

#### Fall Quarter

COURSE NO.	COURSE NAME	TERM CREDITS	CLASS HOURS
Anat. 111	Osteology .....	2	60
Chem. 101	Inorg. Chemistry.....	2	60
Anat. 151	Histology .....	2	60
Nat. 101	Introduction to Naturopathy.....	2	60
Phys. 101	Physiology .....	4	120

#### Winter Quarter

Anat. 112	Osteology .....	1	30
Anat. 113	Syndesmology .....	1	30
Chem. 102	Inorganic Chemistry.....	2	60
Anat. 152	Histology .....	2	60
Phys. 102	Physiology .....	4	120
Anat. 211 & 212	Angiology & Lymphatics.....	2	60

#### Spring Quarter

Chem. 120	Organic Chemistry.....	2	60
Anat. 114	Myology .....	2	60
Bact. 131	Bacteriology .....	2	60
Phys. 103	Physiology .....	4	120
Nat. 103	Splanchnology .....	2	60
Nat. 117	First Aid.....	1	20
		<hr/>	<hr/>
		35	1110

## SECOND YEAR

### Fall Quarter

COURSE NO.	COURSE NAME	TERM CREDITS	CLASS HOURS
Bact. 130	Bacteriology .....	2	60
Path. 251	General Pathology .....	2	60
Chem. 221	Bio-Chemistry.....	4	120
Nat. 211	Palpation .....	2	60
Hyg. 231	Public Health .....	2	60
Nat. 250	Seminar in Naturopathy.....	2	60

### Winter Quarter

Chem. 222	Biochemistry .....	2	60
Hyg. 232	Public Health & Hygiene.....	2	60
Anat. 271	Anatomical Neurology.....	2	60
Path. 252	Special Pathology.....	2	60
Emb. 261	Embryology .....	2	60
Nat. 222	Adjustive Technique.....	2	60

### Spring Quarter

Anat. 272	Anatomical Neurology.....	2	60
Clinic 246	X-ray Technique.....	2	60
Emb. 262	Embryology .....	2	60
Nat. 223	Adjustive Technique.....	2	60
Nat. 252	Seminar in Naturopathy.....	2	60
Nat. 224	Body Mechanics.....	2	60
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		36	1080

### THIRD YEAR

#### Fall Quarter

COURSE NO.	COURSE NAME	TERM CREDITS	CLASS HOURS
Gyn. 310	Gynecology .....	2	60
Anat. 313	Clinical Neurology.....	2	60
Diag. 328	Physical Diagnosis .....	2	60
Anat. 340	Dissection .....	4	120
Clinic 321	Junior Clinic .....	3	90

#### Winter Quarter

Anat. 314	Clinical Neurology.....	2	60
Diag. 329	Clinical Diagnosis .....	2	60
Obs. 311	Obstetrics .....	2	60
Nat. 330	Hydrotherapy .....	2	60
Nat. 332	Electrotherapy .....	2	60
Clinic 322	Junior Clinic .....	3	90

#### Spring Quarter

Nat. 320	Theory and Practice of Nat.....	2	60
Nat. 331	Physiotherapy .....	2	60
Nat. 431	Herbology .....	2	60
Diag. 330	Clinical Diagnosis .....	4	120
Clinic 314	Clinical Laboratory .....	4	120
Clinic 323	Junior Clinic .....	3	90
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		43	1290

### FOURTH YEAR

#### Fall Quarter

COURSE NO.	COURSE NAME	TERM CREDITS	CLASS HOURS
Nat. 421	Eye, Ear, Nose & Throat.....	2	60
Clinic 427	X-ray Interpretation.....	2	60
Nat. 443	Proctology .....	1	30
Nat. 432	Minor Surgery.....	1	30
Clinic 413	Senior Clinic .....	6	180

#### Winter Quarter

Nat. 430	Abnormal Psychology .....	4	120
Nat. 446	Pediatrics .....	2	60
Nat. 450	Jurisprudence .....	2	60
Nat. 433	Endocrinology .....	2	60
Clinic 414	Senior Clinic .....	6	180

#### Spring Quarter

Nat. 344	Dietetics .....	4	120
Chem. 341	Toxicology .....	1	30
Nat. 434	Endocrinology .....	2	60
Nat. 324	Child and "Out" Clinic.....	3	90
Nat. 452	Office Practice .....	2	60

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35 1050

#### LABORATORY AND CLINIC SESSIONS

FIRST YEAR.....	Bacteriology, Histology
SECOND YEAR.....	X-ray Laboratory
	Chemistry Laboratory & Embryology
THIRD YEAR.....	Clinical Laboratory, Dissection, Diagnosis, Clinic
Total hours required for graduation.....	4530
Total credits required for graduation.....	149

# Course Descriptions

## DRUGLESS PHILOSOPHIES

**THEORY AND PRACTICE OF CHIROPRACTIC:** Theory of Chiropractic is taught in the Western States College according to modern principles. The work includes the history, development and theoretical position of Chiropractic in the world at large and in particular relation to other healing arts. The subject 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 clinic.

Textbooks: Verner: "Science and Logic of Chiropractic."  
Janse: "Chiropractic Principles & Technic."

**THEORY AND PRACTICE OF NATUROPATHY:** The theory that nature itself is the best physician is translated into practice in this course. It is definitely non-medical and is in no way associated with the use of drugs or internal medicine.

Textbook: "Medicines of Nature."

## ANATOMY

**LECTURE:** 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.

Textbooks: Gray: "Textbook of Anatomy,"  
Grant: "Atlas of Anatomy."

**DISSECTION:** On human cadavers. Legislative enactment provides for equitable division of material between schools so that proper and careful study is possible.

Textbook: Shearer: "Human Dissection."

**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, lecture and laboratory. Each student is required to stain and study a complete set of tissue slides.

Textbooks: "Lamberts Histology," Dawson.  
"Graphic Aids to Histology."

**EMBRYOLOGY:** The study of the development of the human organism in utero. A great deal of attention is paid to this course in Western States College 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.

Textbooks: Patten: "Human Embryology," and  
Griffin: "Guide for the Dissection of the Dogfish."

## 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 great importance to the modern non-medical physician.

**INORGANIC CHEMISTRY:** Inorganic Chemistry involves, as the name indicates, an understanding of the structure and character of inorganic substances.

Textbook: McPherson: "Introduction to College Chemistry."

**ORGANIC CHEMISTRY:** Organic Chemistry is the study of Hydrocarbons and their derivatives.

Textbook: "Organic Chemistry," by Conant.

**BIOCHEMISTRY:** (Also known as Physiological Chemistry) Discusses and examines the chemistry of the human body.

Textbook: Kleiner: "Human Biochemistry."

**TOXICOLOGY:** A course dealing with the principal facts relating to poisons and their antidotes.

Textbook: "Toxicology."

## DIAGNOSIS

**PHYSICAL:** The course embraces the study of objective symptoms. It is designed to train the prospective doctor to study, analyze, and interpret carefully all the symptoms which are apparent upon careful inspection. The textbook is supplemented by the introduction of methods and procedures which have been elaborated and developed by the staff of this institution.

Textbook: Loewenberg: "Medical & Physical Diagnosis."

Sutton—"Physical Diagnosis."

**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 if he should so choose.

Textbook: Bray: "Synopsis of Clinical Laboratory Methods."

Todd and Sandford: "Clinical Diagnosis by Laboratory Methods."

**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 enemata, as well as osseous tissue technique. The interpretation of films is made in conformity with the philosophy and practice taught in the school.

Textbook: Sante: "Manual of Radiological Technique,"  
and "Principles of Roentgenological Interpretation."

**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 Western States College includes clinical neurology.

Textbook: Loewenberg: "Medical & Physical Diagnosis."

**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 any modality

which may be 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.

**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.

Textbook: Smith and Gault: "Essentials of Pathology."

Willis: "The Principles of Pathology."

**PHYSIOLOGY:** The study of the functions of the human body, including those of digestion, absorption, metabolism, respiration, physiology of the nervous system and circulation.

Textbook: Zoethout: "Textbook of Physiology."

Best and Taylor: "Physiological Basis of Medical Practice."

**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 portion of the work is taken in the laboratory in the making of cultures, stains, slides, etc.

Textbook: "Fundamentals of Bacteriology," Frobisher.

"Microbiology," Kelly and Hite.

**PUBLIC HEALTH AND HYGIENE:** 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 disease, eugenics and control of infections and communicable diseases, birth and death statistics, personal and social hygiene, etc.

Laboratory work and conducted tours of sewage and production plants are part of this course.

Textbook: Boyd: "Preventive Medicine."

**DIETETICS:** 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.

Textbooks: Bogart: "Nutrition and Physical Fitness."  
Hawley-Carden: "Art and Science of Nutrition."

**PHYSIOTHERAPY:** The word literally means "treatment by natural methods" and under this heading is included corrective exercise, massage, therapeutics of deep massage, etc. Electrotherapy and hydrotherapy are placed under separate departments in the curriculum.

Textbooks: Cyriax: "Deep Massage and Manipulation."  
"Physical Therapy in Nursing Care"  
Johnson: "Principles and Practice of Drugless Therapeutics."

**ELECTROTHERAPY:** The study of the relation of electrical energy to the treatment of disease. The course includes the subdivision of light therapy, high and low frequency, short wave, heliotherapy and thermotherapy. The student learns the practical use of these modalities in the clinic.

Textbook: Johnson: "Principles and Practice of Drugless Therapeutics."

**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.

Textbook: "Physical Therapy in Nursing Care."

**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 aber-

ration. It includes the work of the psychiatrist as well as those of the psycho-analytical school.

Textbook: Thorner: "Psychiatry in General Practice."  
Textbook: Dorcus, Shafer: "Abnormal Psychology."

**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.

Textbooks: May: "Diseases of the Eye."  
Finnell: "Eye, Ear, Nose and Throat."  
Lake: "Endo-Nasal, Aural and Allied Techniques "

**JURISPRUDENCE:** A carefully considered course designed to equip the student with a sound working knowledge of the relations of the doctor to the law, with particular reference however to the position of the non-medical physician.

Textbook: "Medical Jurisprudence."  
Regan: "The Doctor, the Patient, and the Law."

**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.

Textbook: Janse: "Chiropractic Principles and Technic."

**MINOR SURGERY:** This course develops the art of minor surgery with particular emphasis upon the suturing, cleaning and related treatment of lacerations, incised wounds, etc. Surgical procedure in which major anesthesia is not used and in which there is no incision into the skull, thorax or abdomen, is taught in this course.

Textbook: Christopher: "Minor Surgery."

**FIRST AID:** First Aid is taught according to the methods originated by the American Red Cross. The student must demonstrate a practical knowledge of resuscitation, bandaging in all of its forms,



the various pressure points, the first aid care of fractures and proper methods of transporting an injured person.

Cole and Puestow: "First Aid."

**CHIROPRACTIC TECHNIQUE:** The College has developed and teaches a system of adjustment which includes all that is valuable in adjustive technique. Instruction is given by specialists in these arts and is calculated to give the student a thorough knowledge of this basis of chiropractic practice.

Textbook: Janse: "Chiropractic Principles and Technic."

**CLINICAL NEUROLOGY:** A subject of the utmost importance. This course provides a bridge over which the student passes from the embryology and anatomy of the nervous system to the diagnosis and treatment of nervous disorders and thence to the study of abnormal psychology.

Textbooks: Pottenger: "Symptoms of Visceral Disease."

Merritt: "Fundamentals of Clinical Neurology."

**PEDIATRICS:** The study of disease and development of childhood. This course is adapted particularly to the needs of the drugless physician. The recent interest in child health makes this department of particular importance.

Textbooks: Holt: "Diseases of Infancy and Childhood."

Zahorsky: "Pediatrics."

**GYNECOLOGY:** A course of instruction in the diseases of women and their treatment by non-medical, adjustive, dietetic, electrical and other methods.

Textbook: Crossen: "Synopsis of Gynecology."

**OBSTETRICS:** From the point of view of the non-medical physician with particular insistence upon natural 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. Deliveries are made at the patient's home.

Textbooks: Schumann: "Textbook of Obstetrics."

Litzenberg: "Synopsis of Obstetrics."

**PROCTOLOGY:** Is that branch of the healing arts which deals with the treatment of lesions of the rectum and anal canal. This work is based upon the relationship of reflexes existing between rectal disorders and the nervous system. Diagnosis and tracing of remote disturbances which are the result of ano-rectal lesions and the non-medical method of correction.

Textbook: Bleything: "Advanced Concept of Proctology."

**HERBOLOGY:** This is a study of the habitat, characteristics and therapeutic uses of wild or cultivated plants. Also the application of the knowledge thus gained in the treatment of disease.

Textbooks: Mausert: "Herbs for Health."

"The Medicines of Nature."

Meyer: "The Herbalist."

**ENDOCRINOLOGY:** That branch of the healing arts relating to the ductless glands. This course teaches the normal function of the endocrine glands and those stimulations and inhibitions based upon drugless measures to be employed in order to normalize their functions.

**ANATOMICAL ADJUSTMENT:** Under this heading is included not only manipulative therapeutics, but the readjustive and re-education of the body to restore posture and increase visceral activities.

Textbook: Cyriax: "Manipulation."

Goldthwait, et al: "Body Mechanics."

## *Rules and Regulations*

Students are required to subject themselves at all times to the supervision of the Dean and the 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 quarter are granted by the Dean and Faculty. Grades for graduation also must 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.