

# CURRICULUM VITAE

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## Christopher M. Coffin

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### PERSONAL DATA

- Date of Birth: September 19, 1960, Alamogordo, NM
- Home: 3650 N.E. Canterbury Circle, Corvallis, OR 97330-4010  
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- Work: Department of Physics  
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### EDUCATION

- Bachelor of Science, Engineering-Physics (magna cum laude), Oregon State University, Corvallis, OR, June 1983.
- Master of Arts in Teaching, with endorsement for Advanced Mathematics, (magna cum laude) Western Oregon University, Monmouth, OR, June 2002.

### INSTRUCTIONAL EXPERIENCE

- 1/05 – present: Instructor, General Physics, Oregon State University, Corvallis, OR.  
*Duties:* Lectures, homework, labs and exams for 400-600 students in PH 20x/21x; also, lectures and exams for 80-90 students in PH 106.
- 5/02 – 6/06: Private instructor/tutor, OSU and Corvallis-area high schools.  
*Duties:* Tailored instruction in college-level physics and math.
- 9/82 – 6/11: CEO/Co-founder, Grapevine Publications, Inc., Corvallis, OR.  
*Duties:* Author/co-author of 38 instructional books on math, science, technology and finance. Lead/managing editor on 18 other such instructional books. Technical and layout editor of technology catalog. Lead editor for technical magazine. Manager and administrator of publishing operations, including author/artist collaboration, copyright procurement, marketing and ad design/layout, web site, order processing, facilities, equipment and software acquisitions, office personnel supervision and recruitment, payroll, financial and corporate affairs.
- 6/81 – 5/83: Customer Support Engineer, Hewlett-Packard, Corvallis, OR.  
*Duties:* Direct, on-line telephone support to users of HP calculators/computers, plus similar responses by mail; design of demo software; software documentation and trouble-shooting.
- 9/79 – 3/81: Private instructor/tutor, Oregon State University, Corvallis, OR.  
*Duties:* Tailored instruction in college-level math, engineering, chemistry, physics and computer science.

### OTHER SKILLS AND EXPERIENCE

- Bilingual (Spanish);
- Business consulting/marketing analysis;
- Investment portfolio management.

## PUBLICATIONS

- *Physics instruction (algebra-based):*

For PH 201 (Mechanics I): [www.physics.oregonstate.edu/~coffinc/COURSES/ph201](http://www.physics.oregonstate.edu/~coffinc/COURSES/ph201)

All Baccalaureate Core analysis

All syllabus and course discussion (see .../Syllabus.html)

All synoptic lecture notes (approx. 175 pages—see .../Reading.html)

All homework assignments/solutions (see .../HW.html)

All exams/solutions (see .../Final.html)

These lab manual exercises/procedures (and see also .../Labs.html):

Lab 1 (with Tim Taylor): “Math Review” (a take-home lab)

Lab 5 (with Jim Ketter): “Linear and Angular Momentum”

Lab 6 (with Mike Low): “Newton’s Laws” (a take-home lab)

Lab 7 (with Tim Taylor): “Forces, Torques, Accelerations and Inertia”

Lab 9 (with Mike Low): “Energy Practice” (a take-home lab)

Lab 10 (with Tim Taylor): Energy

For PH 202 (Mechanics II): [www.physics.oregonstate.edu/~coffinc/COURSES/ph202](http://www.physics.oregonstate.edu/~coffinc/COURSES/ph202)

All Baccalaureate Core analysis

All syllabus and course discussion (see .../Syllabus.html)

All synoptic lecture notes (approx. 175 pages—see .../Reading.html)

All homework assignments/solutions (see .../HW.html)

All exams/solutions (see .../Final.html)

These lab manual exercises/procedures (and see also .../Labs.html):

Lab 1: “Math Review” (a take-home lab)

Lab 2 (with Tim Taylor): “Buoyancy: Archimedes’ Principle”

Lab 3: “Simple Harmonic Motion” (a take-home lab)

Lab 6: “The Ideal Gas Law” (a take-home lab)

Lab 8-9 (with Tim Taylor): “Thermodynamics”

For PH 203 (E&M + Modern): [www.physics.oregonstate.edu/~coffinc/COURSES/ph203](http://www.physics.oregonstate.edu/~coffinc/COURSES/ph203)

All Baccalaureate Core analysis

All syllabus and course discussion (see .../Syllabus.html)

All synoptic lecture notes (approx. 200 pages—see .../Reading.html)

All homework assignments/solutions (see .../HW.html)

All exams/solutions (see .../Final.html)

These lab manual exercises/procedures (and see also .../Labs.html):

Lab 1 (with Tim Taylor): “The Electric Force” (a take-home lab)

Lab 2: “Electric Potential (Voltage)” (a take-home lab)

Lab 4: “3-D Math Warm-Up” (a take-home lab)

Lab 6 (with Jim Ketter): “Magnetic Induction”

Lab 7: “Spherical Mirrors” (a take-home lab)

- *General technical/instruction:*

Author/co-author of 38 instructional books on math, science, technology and finance.

## REFERENCES

- *For technical publishing and editorial expertise:*

Thomas P. Dick, Professor  
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- *For scientific literacy and communication skills:*

Henri Jansen, Chair and Professor  
Department of Physics  
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- *For management/supervisory skills:*

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- *For overall competence, judgment and personal integrity:*

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