

CURRICULUM VITAE
Abdelmonem A. Afifi

Business Address and Personal Data:

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Education:

B.Sc.	Cairo University, Cairo, Egypt (Mathematics)
M.S.	University of Chicago, Illinois (Statistics)
Ph.D.	University of California, Berkeley (Statistics)

Professional Positions (UCLA):

1975-	Professor, Biostatistics, School of Public Health and Professor, Biomathematics, School of Medicine
1987-00	Dean, School of Public Health
1985-87	Acting Dean, School of Public Health
1977-80	Head, Biostatistics Division, School of Public Health
1975-76	Head, Biostatistics Division, School of Public Health
1971-75	Associate Professor, Biostatistics, School of Public Health
1965-71	Assistant Professor, Biostatistics, School of Public Health

Professional Positions (Other):

	Guest Scholar: International Institute of Applied Systems Analysis Laxenburg, Austria
	Guest Scholar: International Institute of Applied Systems Analysis Laxenburg, Austria
1/65-8/65	Visiting Assistant Professor: Department of Statistics University of Wisconsin, Madison
	Teaching and Research Assistant: University of California, Berkeley
1961-63	Researcher: The Pure Oil Co., Research Center, Crystal Lake, Illinois
1959-60	Demonstrator: Mathematics, Cairo University, Cairo, Egypt

Scientific Organization Memberships:

American Public Health Association, Mortimer Spiegelman Award for Outstanding
Biostatistician of the Year, 1976, Elected Statistics Section Representative,
Governing Council, 1991-93

Institute of Mathematical Statistics
 American Statistical Association, Elected Fellow
 American Association for the Advancement of Science
 Biometric Society, Elected Member: Regional Committee, WNAR, 1985-87
 Elected, Sigma Xi, The Scientific Research Society, UCLA, Los Angeles Chapter

Editorial Service to Scholarly Publications:

Reviewer for:	American Statistical Association Technometrics Science Biometrics Journal of Chronic Diseases Journal of Public Health Policy Computational Statistics and Data Analysis
Associate Editor:	Computational Statistics and Data Analysis Alzheimer Disease and Associated Disorders Journal of Health Care for the Poor and Underserved

Honors and Awards:

	AEC Award, Egypt Fullbright Grant
1972	Outstanding Educator, Biography and Record of Accomplishments: Published in Outstanding Educators of America, Chicago, Illinois
1976	Mortimer Spiegelman, Gold Medal Award for Outstanding Biostatistician of the Year, American Public Health Association Elected Fellow, American Statistical Association
1991	Invited to Give Commencement Address: "National and International Perspectives on the Future of Public Health," Loma Linda School of Public Health, Loma Linda, CA
1992	Lowell Reed Award for Excellence in Teaching and Research, Statistics Section, American Public Health Association
1993	Health Careers Opportunity Program Recognition Award, UCLA School of Public Health
1997	Diversity Enrichment Program Recognition Award, UCLA School of Public Health
1998	Association of Schools of Public Health Recognition Award for Contribution to Public Health Education in the U.S.A.
1999	Abdelmonem A. Afifi Student Fellowship – Annual Award for Outstanding \ Public Health Students Established in Honor of Abdelmonem Afifi
2000	Public Health Student Association Recognition Award, UCLA
2001	Biostatistics Professor of the Year, UCLA - School of Public Health

Grants (principle or co-investigator) since 1986:

1986-00	Principal Investigator: School of Public Health Training Grant, Bureau of Health Professions – U.S. Public Health Service
1986-93	Principal Investigator: SPH Minority Enrollment and Retention Program, Bureau of Health Professions – U.S. Public Health Service
1995-00	Principal Investigator: Public Health Leadership Institute USPHS, Centers for Disease Control Zero-Based review of Public Health Programs and Services
2000- 04	Principal Statistician: MDNP – a study to compare normal hospital care with care provided by a hospitalist team, NIH funded
2000-01	Principal Investigator: Pacific Public Health Training Center, HRSA funded
2002 - 04	Associate Director: Southern California Injury Prevention Research Center, CDC funded
2002 - 10	Senior Research Statistician: A study to examine a multilevel intervention protocol for the prevention of sexually-transmitted diseases among high school and middle school students, CDC funded

Consultancies:

1966-74	Shock Research Unit, USC School of Medicine
1968-69	Socio-Behavioral Laboratory, Pacific State Hospital, Pomona, CA
1970-71	N.P.I., UCLA (summers)
1971	Rand Corporation, Santa Monica, CA
1971	Human Interactions Research, Inc., On Research for the California State Legislature
1972-75	Los Angeles County Assessor's Office Charles Drew Postgraduate Medical School, Los Angeles
1973-74	Child Abuse Project, ULCA
1975-76	Child Trauma Project, UCLA
1976-77	Boltzmann Institute, Vienna, Austria
1979-84	City of Hope, Duarte, California
1980-82	Hepatic Epidemiologic Research Lab., USC School of Medicine
1980	Transfusion-Transmitted Viruses Cooperative Studies, USC
1980	Ministry of Public Health, State of Kuwait on Health Care Information System
1982	Ministry of Health, Health Care Information System, Egypt
1984-86	Vestar Research Inc., Pasadena, California
1987-97	Electric Power Research Institute (EPRI)
1991	San Diego Power and Light Company
1997	Motorola Corporation
1998-02	University of Southern California, School of Medicine

National and Regional Committees:

1973	Faculty Sponsor, National Black Science Students Organization
1973-74	Member, C.C.R.M.P., Nephrology Manpower Study Advancement Council
1984-90	Member, Data & Safety Monitoring Committee for “The Multi-Center Randomized Comparison of Silicone Oil and SF-6 Gas in the Treatment of Proliferative Vitreoretinopathy,” USC School of Medicine
1985-97	Member, Board of Trustees, Western Consortium, Berkeley, California
1985-00	Member, Association of Schools of Public Health (ASPH), Wash. D.C.
1986-96	Member, International Health Committee, Association of Schools of Public Health (ASPH), Washington D.C.
1986-88	Member, Advisory Committee, UC Southern Occupational Health Center
1987-89	Member, Subcommittee on Vitamin A, National Academy of Sciences, Washington D.C.
1987-91	Member, Advisory Committee on Health Risk Appraisal Carter Center, Atlanta Georgia
1989-91	Member, Steering Committee for Measuring Public Health Capacity, Centers for Disease Control, Atlanta, Georgia
1989-93	Member, Community Health Advisory Committee, Advisory to California State Senator Diane Watson, Los Angeles, California
1991-94	Chair, Biostatistics Council, Association of Schools of Public Health (ASPH), Washington D.C.
1993	Member, Committee to Review the NIH Women’s Health Initiative, Institute of Medicine, National Academy of Sciences, Washington D.C.
1993-98	Board member, Council on Education for Public Health
1994-95	Member, Community Health Assessment, Policy Development and Assurance Steering Group, Los Angeles County Department of Health Services, Los Angeles, CA
1996-02	Member, External Data Safety Monitoring Board, Vitamin E Study, Atherosclerosis Research Unit, N.I.A.
1997	Member, Organizing Committee, International Association for Statistical Computing, Pasadena, California
1999-03	Chair, Sampling Design and Survey Methodology Committee, California Health Interview Survey
2002	Member, Review Committee for Bioterrorism Grants, Association of Schools of Public Health
2003-	Member, Gastro-intestinal Devices Advisory Panel, U.S. Food and Drug Administration

International Lectureships:

1983	Invited Lecturer: King Saud University, Riyadh, Saudi Arabia
1983	Invited Lecturer: Technical University of Graz, Austria
1985	Invited Lecturer: Course on Computer-Aided Multivariate Analysis, University of Occupational and Environmental Health, Japan
1986	Invited Lecturer: Series of lectures on Biostatistics and Public Health: Beijing Medical University, Xian Medical University, Hunan Medical College, Wuhan Medical University and Zhongshan University, People's Republic of China; The Chinese University of Hong Kong; and Academia Sinica, Taiwan
1989	Invited Lecturer: "Public Health in the U.S. Today and Tomorrow," Preventative and Social Medicine Institute, University of Bern, Switzerland
1990	Invited Co-Sponsor: International Symposium on Health, Environment & Social Change, Taipei, Taiwan. Presented plenary address on Health Care for an Aging Population
1991	Invited Lecturer: Series of Lectures in the University of Indonesia, Jakarta and the University of Diponogoro, Semarang, Indonesia
1992, 1993	Invited Lecturer: One Week Course on Computer-Aided Multivariate Analysis, School of Public Health, University of Bielefeld, Germany
1992	Invited Lecturer: "Public Health Today" and "Highlights of Multivariate Analysis," High Institute of Public Health, University of Alexandria, Egypt
1993	Invited Lecturer: Series of lectures on Multivariate Analysis in the Social Sciences, American University, Cairo, Egypt
1994	Invited Lecturer: "The Status of Public Health Education in the United States," Guadalajara University of Health Sciences, Guadalajara, Mexico
1995	Invited Speaker: International Conference on Aging, Hong Kong
1996	Keynote Speaker: International Conference on Public Health, Alexandria, Egypt.
1999	Keynote Speaker: Bielefeld International Health Conference, Bielefeld, Germany
2000	Invited Speaker: WHO Conference on Health and Welfare, Kobe, Japan
2001	Invited Speaker: WHO Conference on the Role of the Private Sector in Health, Dunedin, New Zealand
2002	Invited Speaker: WHO Conference on the Effects of Electro Magnetic Fields,

Tokyo, Japan

Other Professional Services:

1968	Peer Reviewer, NSF grant applications
1991	Peer Reviewer, Special Projects grant applications, U.S. Public Health Service, Washington, D.C.
1992-	External Assessor, The Chinese University of Hong Kong, Department of Statistics
1992-93	Invited Reviewer of the World Bank 1994 World Development Report: “Investing in Health.” National Academy of Sciences Institute of Medicine
1993-	Chaired or was member of Accreditation Review Committees for Schools of Public Health at: University of North Carolina University of Massachusetts SUNY-Albany Emory University-Atlanta University of South Florida University of Oklahoma University of Iowa Texas A&M University
1998-01	Member, Board of Directors, Venice Family Clinic, Venice, California
1999	Reviewer of the Academic Program of the Faculty of Health Sciences, American University of Beirut, Beirut, Lebanon
2002	Chaired Special Accreditation Review Committee of the School of Public Health at Ohio State University

University Service:

1968-69	Co-Chair, Student Affairs Committee, School of Public Health
1968-71	Member, Admissions Committee, School of Public Health
1969-71	Chair, Space Committee, School of Public Health
1969-73	Member, Faculty Executive Committee, School of Public Health
1970	Member, SPH Representative, Affirmative Action Officer
1970	Member, Ad Hoc Committee on the Mission of the School of Public Health

1970	Graduate Record Examination (GRE) Evaluation Study, School of P.H.
1971-72	Chair, Admissions Policy Committee, School of Public Health
1971-73	Member, Health Sciences Minority Recruitment Committee, UCLA
1972-73	Member, Student Affairs Committee, School of Public Health
1972	Coordinated Summer Prologue Program for Minority Students, SPH
1973	Member, Community Affairs Committee, School of Public Health
1975-76	Member, Faculty Council, School of Public Health
1975-76	Member, Academic Senate Computing Committee, UCLA
1977	Three-Week Summer Program for Native Americans,
1978	“Intensive Studies in Epidemiology and Biostatistics,” School of Public Health
1977-78	Member, Credentials Committee, School of Public Health
1977	Member, Milbank Memorial Fund Grant Consortium, School of P.H.
1978	Seminar on “Health and Economic Development,” Public Health Forum UCLA, School of Public Health
1980	Chair, Ad Hoc Committee on Health Information Systems, School of P.H.
1980-82	Member, Educational Policy and Curriculum Committee, School of P.H.
1981	Chair, Ad Hoc Committee on Long Range Planning, School of P.H.
1981-82	Member, Faculty Executive Committee, School of Public Health
1983-84	Chair, Research Committee, School of Public Health
1984-85	Chair, Faculty Executive Committee, School of Public Health
1985-00	Member, Board of Trustees, The UCLA Foundation
1985-92	Member, RAND/UCLA Center for Health Policy Study (PEW)
1985-00	Member, Board of Advisors, UCLA Medical Center
1985-86	Member, Health Promotion/ Disease Prevention Center (HPDP), UCLA
1986-87	Co-Organizer, Maternal and Child Health Care in the Middle East Symposium, UCLA
1987-92	Member, Executive Committee, Center for Pacific Rim Studies, UCLA
1987-89	Member Administrative Committee, ISOP (International Studies and Overseas Programs), UCLA
1987-00	Member, Policy Advisory Committee, Clinical Scholars Program, School of Medicine, UCLA
1988	Member, Chancellor’s Budget Affairs Council, UCLA
1988-90	Member, Health Promotion/Disease Prevention Center, (HPDP), UCLA
1988-92	Member, Faculty Advisory Committee for the Pacific Rim Studies Center, UCLA
1989-00	Member, Advisory Committee for the UCLA Jonsson Comprehensive Cancer Center, School of Medicine, UCLA
1995-98	Chair, Council of Professional School Deans, UCLA
1995-96	Member, Academic Planning and Budget Advisory and Coordinating Council (APBACC), UCLA
1995-98	Member, Chancellor’s Executive Committee, UCLA
1995-96	Member, Search Committee for the Dean, School of Nursing
1995-97	Member, RCM Work Group, UCLA

1996-00	Academic Information Technology Board, UCLA
1996-00	Member, Health Sciences Space Planning Committee
1997-00	Member, CBOP, Career-Based Outreach Program, UCLA
1997	Seventy Fifth Anniversary of Shanghi University – represented UC President Atkinson
2000	Chair, ORION2 Ad Hoc Review Committee, Appointed by the Executive Vice Chancellor to Review the new electronic library system
2001-	Member, ORION2 Ad Hoc Review Committee, Appointed by the Executive Vice Chancellor to Review the new electronic library system
2001-02	Member: UCLA Academic Senate Committee on the Library
2002-04	Chair: UCLA Academic Senate Committee on the Library
2002-04	Chair: UC Systemwide Academic Senate Committee on the Library

Current Research Areas:

Injury Prevention
Health Services Research
Meta-Analysis
Multi-level Models
Possible Health Effects of Electromagnetic Fields
Public Health Education
Risk Factor Analysis

Publications:

Research Papers:

1. Afifi, A.A. and Elashoff, R.M.: "Missing Observations in Multivariate Statistics I. Review of the Literature." Journal of American Statistical Association 61:595-604, September 1966.
2. Afifi, A.A. and Elashoff, R.M.: "Missing Observations in Multivariate Statistics II. Point Estimation in Simple Linear Regression." Journal of American Statistical Association 62:10-29, March 1967.
3. Afifi, A.A.; Elashoff, R.M.; and Langley, P.G.: "An Investigation into the Small Sample Properties of a Two Sample Test of Lehmann's." Journal of American Statistical Association 63-345-52, March 1968.
4. Shubin, H.; Afifi, A.F.; Rand, W.M.; and Weil, M.H.: "Objective Index of Haemodynamic Status for Quantitation of Severity and Prognosis of Shock Complicating Myocardial Infarction." Cardio. Res. 2 (4):329-37, October 1968.
5. Afifi, A.A. and Elashoff, R.M.: "Missing Observations in Multivariate Statistics

- III. Large Sample Analysis of Simple Linear Regression.” Journal of American Statistical Association 64:337-58, March 1969.
6. Afifi, A.A. and Elashoff, R.M.: “Missing Observations in Multivariate Statistics IV. A Note on Simple Linear Regression.” Journal of American Statistical Association 64:359-65, March 1969.
7. Afifi, A.A.: and Elashoff, R.M.: “Multivariate Two Sample Tests with Dichotomous and Continuous Variables I. The Location Model.” Ann. Math. Stat. 40(1):290-98, March 1969.
8. Afifi, A.A.: “Accuracy of the Blood Pressure Measurements in Patients with Acute Hypotension and Shock.” J. Trauma 9(2):145, 1969.
9. Weil, M.H. and Afifi, A.A.: “Experimental and Clinical Studies in Lactate and Pyruvate as Indicators of the Severity of Acute Circulatory Failure (Shock).” Circulation SLI:989-1001, June 1970.
10. Winkel, P.; Afifi, A.A.; Cady, Jr., L.A.; Weil, M.H.; and Shubin, H.: “Application of Statistical Techniques for Assessment of Prognosis in Patients with Acute Circulatory Failure (Shock).” J. Chronic Dis. 24:61-9, 1971.
11. Afifi, A.A.; Rand, W.M.; Palley, M.A., Shubin, H.; and Weil, M.H.: “A Method for Evaluating Changes in Sets of Computer Monitored Physiological Variables.” Comput. Biomed. Res. 4:329-39, 1979.
12. Shubin, H.; Weil, M.H.; Palley, N.; and Afifi, A.A.: “Monitoring the Critically Ill Patient with the Aid of a Digital Computer.” Comput. Biomed. Res. 4:460-73, 1971.
13. Afifi, A.A.; Sacks, S.T.; Liu, V.Y.; Weil, M.H.; and Shubin, H.: “Accumulative Prognostic Index for Patients with Barbiturate, Glutethimide and Meprobamate Intoxication.” New England Journal of Medicine 285(27):1497-1502, 1971.
14. Afifi, A.A. and Kim, P.J.: “Comparison of Some Two-Sample Tests for Non-Normal Alternatives.” J.R. Stat. Soc., Series B, 34 (Part 2): 448-55, 1972.
15. Azen, S.P. and Afifi, A.A.: “Two Models for Assessing Prognosis on the Basis of Successive Observations.” Math. Biosci. 14:169-76, 1972.
16. Rand, W.M; Afifi, A.A.; Palley, N.A.; Sacks, S.T.; Shubin, H.; and Weil, M.H.: “Cosine Method for Analysis of Indicator Dilution Curves.” J. Trauma 12:(8)708-14, August 1972.
17. Azen, S.P.; Garcia-Pena, J.; and Afifi, A.A.: “Estimation of Missing Values for

Computer Prognosis.” *Comput. Biom. Res.* 5(6):613-20, December 1972.

18. Azen, S.P. and Afifi, A.A.: “Asymptotic and Small Sample Behavior of Estimated Bayes Rules for Classifying Time Dependent Observations.” *Biometrics* 28:989-98, December 1972.
19. Malkovich, J.F. and Afifi, A.A.: “On Tests for Multivariate Normality.” *J. Am. Stat. Assoc.* 68(341):176-79, March 1973.
20. Cady, Jr., L.D.; Weil, M.H.; Afifi, A.A.; Michaels, S.F.; Liu, V.Y.; and Shubin, H.: “Quantitation of Severity of Critical Illness with Special Reference to Blood Lactate.” *Crit. Care Med.* 1(2):75-80, March-April 1973.
21. Azen, S.P.; Garcia-Pena, J.; and Afifi, A.A.: “Classification of Time-Dependent Observations: The Exponential Model and the Robustness of the Linear Model.” *Biometrische Zeitschrift*, Vol. 17, 1975.
22. Afifi, A.A.; Chang, P.C.; Liu, V.Y.; Da Luz, P.L.; Weil, M.H.; and Shubin, H.: “Prognostic Indices in Acute Myocardial Infarction Complicated by Shock.” *Am. J. Cardiol.* 33:826-33, June 1974.
23. Paulson, M.J.; Afifi, A.A.; Thomason, M.L.; and Chaleff, A.: “The MMPI: A Descriptive Measure of Psychopathology in Abusive Parents.” *J. Clin. Psychol.* 30(3):387-390, July 1974.
24. Shubin, H.; Weil, M.H.; Afifi, A.A.; Portigal, L.; and Chang, P.C.: “Selection of Hemodynamic Respiratory and Metabolic Variables for Evaluation of Patients in Shock.” *Crit. Care Med.* 2(6):326-36, November-December 1974.
25. Shubin, H.; Weil, M.H.; Da Luz, P.; Afifi, A.A.; Chang, P.D.; and Portigal, L.: “Objective Assessment of Prognosis in Shock Due to Acute Myocardial Infarction.” *Comp. Cardiol.* 183-87. 1974.
26. Chang, P.C. and Afifi, A.A.: “Classification Based on Dichotomous and Continuous Variables.” *J. Am. Stat. Assoc.* 69(346):336-39, June 1974.
27. Paulson, M.J.; Afifi, A.A.; Chaleff, A.; Thomason, M.L.; and Liu, V.Y.: “An MMPI Scale for Identifying ‘At Risk’ Abusive Parents.” *J. Clin. Child. Psychol.* 4:22-4, Spring 1975.
28. Paulson, M.J.; Afifi, A.A.; Chaleff, A.; Liu, V.Y.; and Thomason, M.L.: “A Discriminant Function Procedure for Identifying Abusing Parents.” *Suicide* 5(2):104-14, 1975.

29. Bendel, R.B. and Afifi, A.A.: "A Criterion for Stepwise Regression." *Am. Stat.* 30(2):85-7, May 1976.
30. Bendel, R.B. and Afifi, A.A.: "Comparison of Stopping Rules in Forward "Stepwise" Regression." *J. Am. Stat. Assoc.* 72(357):46-53, March 1977.
31. Paulson, M.J.; Schwemer, G.T.; Afifi, A.A.; and Bendel, R.B.: "Parent Attitude Research Instrument (PARI): Clinical Vs. Statistical Inferences in Understanding Abusive Mothers." *J. Clin. Psychol.* 33(33):848-54, July 1977.
32. Afifi, A.A. and Sagan, L.A.: "Energy Consumption as an Indicator of Longevity." Research Memorandum, International Institute for Applied Systems Analysis, Laxenburg, Austria, 1978.
33. Sagan, L.A. and Afifi, A.A.: "Health and Economic Development I: Infant Mortality." Research Report, International Institute for Applied Systems Analysis, Laxenburg, Austria, 1978.
34. Sagan, L.A. and Afifi, A.A.: "Health and Economic Development II: Longevity." Research Report, International Institute for Applied Systems Analysis, Laxenburg, Austria, 1978.
35. Afifi, A.A. and Sagan, L.A.: "Energy and Literacy: An Index of Health Development." Research Report, International Institute for Applied Systems Analysis, Laxenburg, Austria, 1978.
36. Sagan, L.A. and Afifi, A.A.: "The Biological Basis for Standard Setting for Environmental Pollutants: A Critique." Research Report, International Institute for Applied systems Analysis, Laxenburg, Austria, 1978.
37. Costanza, M.C. and Afifi, A.A.: "Comparison of Stopping Rules in Forward Stepwise Discriminant Analysis." *J. Amer. Stat. Assoc.* 74(368):777-85, 1979.
38. Wold-Tsodik, G. and Afifi, A.A.: "A Comparison of the 'Sometimes Pool,' 'Sometimes Switch,' and 'Never Pool' Procedures in the Two-Way ANOVA Random Effects Model." *Technometrics* 22(3):367-73, August 1980.
39. Winter, J.; Afifi, A.A.; and Sarti, D.: "Fitting a Linear Relationship with Confidence Intervals by Correlation." *Int. J. Biom. Comput.* 12:67-70, 1981.
40. Madison, R.; Mittman, C.; Afifi, A.A.; and Zelman, R.: "Risk Factors for Obstructive Lung Disease." *Am. Rev.Respir. Dis.* 124:149-53, August 1981.
41. Madison, R. and Afifi, A.A.: "Definition and Comparability of Nosocomial Infection Rates." *Am. J. Infect. Control* 10:49-52, 1982.

42. Hollinger, F.B.; Mosely, J.W.; Szumness, W.; Aach, R.D.; Melnick, J.L.; Afifi, A.A.; Stevens, C.E.; and Kahn, R.A. (Szumness, W; Alter, H.J.; and Maynard, J.E. - eds.): "Non-A, Non-B Hepatitis Following Blood Transfusion: Risk Factors Associated with Donor Characteristics." In: Viral Hepatitis: 1981 International Symposium. Philadelphia: Franklin Institute Press, pp. 361-76, 1982.
43. Madison, R.; Afifi, A.A.; and Mittman, C.: "Respiratory Impairment in Coke Oven Workers: Relationship to Work Exposure and Bronchial Inflammation Detected by Sputum Cytology." *J. Chronic Dis.* 37(3):167-76, 1984.
44. McAuliff, T.L. and Afifi, A.A.: "Comparison of a Nearest Neighbor and Other Approaches to the Detection of Space-Time Clustering." *Computational Stat.Data Analysis* 2:125-42, 1984.
45. Afifi, A.A.; Elashoff, R.M.; and Lee, J.K.: "Simultaneous Nonparametric Confidence Intervals for Survival Probabilities From Censored Data." *Stat. Med.* 5:653-62 1986.
46. Pfeffer, R.I.; Afifi, A.A.; and Chance, A.M.: "Prevalence of Alzheimer's Disease in the Community." *Am. J. Epidemiol.* 125(3):420-36, 1987.
47. Chang, P.C. and Afifi, A.A.: "Goodness-of-Fit Statistics for General Linear Regression Equations in the Presence of Replicated Responses." *Am. Stat.* 41(3):195-99, August 1987.
48. Bock, J. and Afifi, A.A.: "Estimation of Probabilities Using the Logistic Model in Retrospective Studies." *Computers and Biomedical Research* 21:449-470, 1988.
49. Flack, V.F.; Afifi, A.A.; and Lachenbruch, P.A.: "Sample Size Determinations for the Two Rater Kappa Statistic." *Psychometrika* 53:321-325, 1988.
50. Lee, J.S.; Afifi, A.A.; and Mustafa, M.G.: "Effects of Short-Term, Single and Combined Exposure of Rats to NO₂ and O₃ on Lung tissue Enzyme Activities." *Inhalation Toxicology*, 1:21-35, 1989.
51. Elashoff, R.M.; Lee, J.K.; and Afifi, A.A.: "A Note on Confidence Limits for Quartiles with Right Censored Data." *Statistics in Medicine*, 8:1269-1276, 1989.
52. Lee, J.S.; Mustafa, M.G.; Afifi, A.A.: "Effects of Short-Term, Single and Combined Exposure to Low Level NO₂ and O₃ on Lung Tissue Enzyme Activities in Rats." *J. of Toxicology and Environmental Health*, 29:293-305, 1990.

53. Poon, W.Y.; Lee, S.Y.; Afifi, A.A.; Bentler, P.M.: "Analysis of Multivariate Polytomous Variates in Several Groups via the Partition Maximum Likelihood Approach." *Computational Statistics & Data Analysis*, 10:17-28, 1990.
54. Alkon, E.; Evans, C.; Afifi, A.A.; Scrimshaw, S.: "The Los Angeles Connection: A Follow-Up Report." *American Journal of Public Health*, 80:1273, 1990.
55. Vollset, S.E.; Hirji, K.F.; and Afifi, A.A.: "Evaluation of Exact and Asymptotic Internal Estimators in Logistic Analysis of Matched Case-Control Studies." *Biometrics*, 47:1311-1325, 1991.
56. Afifi, A.A. and Breslow, L.: "The Maturing Paradigm of Public Health." *Annual Reviews of Public Health*, 15:223-35, 1994.
57. Kheifets, L.; Afifi, A.A.; Buffler, P.A.; Zhang, Z.W.: "Occupational Electric and Magnetic Field Exposure and Brain Cancer: A Meta-Analysis." *Journal of Occupational and Environmental Medicine*, 37:1327-1341, Number 12, December 1995.
58. Hirji, K.; Vollset, S.; Reis, I.; Afifi, A.A.: "Exact Tests for Interaction in Several 2x2 Tables." *Journal of Computational Graphical Statistics*, 5: 209-224, 1996.
59. Leung, Y.P.; Elashoff, R.M.; Afifi, A.A.: "Censoring Issues in Survival Analysis." *Annual Review of Public Health*, 18:83-104, 1997.
60. Ferng, S.F.; Castro, C.E.; Afifi A.A.; Bermudez, E.; Mustafa, M.G.: "Ozone-Induced DNA Strand Breaks in Guinea Tracheo Bronchial Epithelial Cells." *Journal of Toxicology and Environmental Health*, 51:353-367, 1997.
61. Kheifets, Leeka I.; Afifi, A.A.; Buffler, Patricia A.; Zhong, Zhang, W.; Matkin, C. Chantel: Occupational Electric and Mangnetic Field Exposure and Leukemia." *Journal of Occupational and Environmental Medicine*, 39:1074-1091, 1997.
62. Abbas, A.; Afifi, A.A.; Zhang, Z.W.; Kraus, J.F.: "Meta-Analysis of Published Studies on Work-Related Carpal Tunnel Syndrome." *International Journal of Occupational and Environmental Health*, 4:160-167, 1998.
63. Reis, I.M.; Hirji, K.F.; Afifi, A.A.: "Exact and Asymptotic Tests for Homogeneity in Several 2 x 2 Tables." *Statistics in Medicine*, 18:893-906, 1999.
64. Muehrer, P.R., Salovey, P., Afifi, A. A., Coyne, J.C., Kring, A.M., Merson, M.H., Prohaska, R.R., Rozensky, R.H.: "Overcoming Barriers to Collaboration Between

Basic Behavioral Scientists and Public Health Scientists in Research on Mental Disorders.” *Journal of Clinical Psychology in Medical Settings*, 9, 253-265, 2002.

65. Seigel, J.M., Shoaf, K.I., Afifi, A. A., Bourque, L.B., “Surviving Two Disasters: Does Reaction to the First Predict Response to the Second?” *Environment and Behavior*, 2003 (in press).

Books and CD-ROMs:

1. Afifi, A.A. and Azen, R.P., Statistical Analysis: A Computer Oriented Approach. New York: Academic Press, 2nd Ed., 1979; Russian Edition 1982
2. Afifi, A.A. and Clark, V.A., Computer-Aided Multivariate Analysis, New York: Chapman & Hall, Third Edition, 1996.

Afifi, A.A., Clark, V.A., and May, S.J., Computer-Aided Multivariate Analysis, New York: Chapman & Hall, Fourth Edition, 2003 (in press).
3. Afifi, A.A., Lee, M., and Cobb, G. Electronic Companion to Biostatistics, New York: Cogito Learning Media, Inc.1998.

Project Final Reports:

1. Afifi, A.A., et al.: The Utilization of Manpower in Ambulatory Care, Development of a Study Methodology. Report of a Cooperative Study, 1975.
2. Afifi, A.A., et al.: Proceedings of IIASA Workshop on Road Traffic Safety in Europe. International Institute for Applied Systems Analysis, pp 31-44, January 24, 1975.
3. Haynes, M.A. and Wolde-Tsadik, Grima. Contributor A.A. Afifi: Task allocation in Ambulatory Care Settings: A Methodological Approach. Charles R. Drew Postgraduate medical School. December 1975.
4. Tchira, A. and Afifi, A.A.: "Oil Valuation Program," Project #65209, Office of Assessor, County of Los Angeles, February 1977.
5. Breslow, L.; Fielding, J.F.; Afifi, A.A., et. al.: "Risk Factor Update Project: Atlanta, Georgia, U.S. Department of Health and Human Services, CDC, Center for Health Promotion and Education, 1985.
6. Afifi, A.A.: "Consultancy to the Universities of Indonesia and Diponegoro - Biostatistics," Prepared for the United States Agency for International Development Program Management Unit, Jakarta, Indonesia, August 1991.
7. Institute of Medicine (A.A. Afifi as one of twelve members of the Committee to Review the NIH Women's Health Initiative): An Assessment of the NIH Women's Health Initiative, Institute of Medicine, National Academy Press, Washington D.C., 1993.
8. Report of Review of Public Health Programs and Services, Los Angeles County Department of Public Health Services by UCLA School of Public Health. (A.A.

Afifi as one of twelve members of the committee's Technical Assistance Group), July 1997.

Chapters or Sections in Books:

1. Weil, M.J. and Afifi, A.A.: Experimentelle und klinische Untersuchungen über Laktat und Pyruvat als Indikatoren für den Schweregrad des Akuten Kreislaufversagens (Shock), in Shock Stoffwechselveränderungen und Therapie, F.K. Schattauer Verlag, Stuttgart-New York, pp 147-57, 1970.
2. Shubin, H.; Weil, M.; Liu, V.; and Afifi, A.A.: "Selection of Metabolic, Respiratory and Hemodynamic Variables for Evaluation of Status in Critically Ill Patients." Technomics, Inc., Advances in Automated Analysis: 1973.
3. Afifi, A.A.; Bigelow, J.H.; and Glass, N.: "Some Terminology Revisited.: An article published as part of the book, Systems Aspects of Health Planning, N.T.J. Baily/M. Thompson, eds., North-Holland Publishing Company, 1974.
4. Chang, P.C.; Afifi, A.A.; Liu, V.Y.; Nishijima, H.; Weil, M.H.; and Shubin, H.: "Prognostic Indices for Assessment of Patients with Gram-Negative Bacteria and Shock." In: B.Urbaschek and E. Neter (eds.), Gram-Negative Bacterial Infections and Mode of Endotoxin Actions, New York, Springer-Verlag Wien, pp. 237-247, August 1975.
5. Sagan, L.A. and Afifi, A.A.: "Health and Economic-Development Factors Affecting Mortality." In G.T. Goodman and W.D. Rowe (eds.), Energy Risk Management. London, England: Academic Press, Inc., pp 139-167, 1979.
6. Afifi, A.A.; Breslow, L.S.; and Brown, E.R.: "United States." In International Handbook of Public Health, Hurrelmann, K. and Laaser, U., Editors, Westport, CT: Greenwood Press, pp 378-393, 1996.
7. Afifi, A.A.: Forward for Changing the U.S. Health Care System. Andersen, R.; Rice, T.; Kominski, G., Editors, San Francisco, CA: Jossey-Bass Publishers, pp xiii – xv, 1996.
8. Afifi, A.A.: Forward for Substance Abuse Prevention: A Multi-cultural Perspective. Kar, Snehendu B., Editor, Amityville, NY: Baywood Publishing Inc., pp. v - iv, 1999.
9. Cumberland, W.G.; Afifi, A.A.: "Biostatistics in Public Health." In Encyclopedia of Public Health, Breslow, L., Editor, New York: McMillan & Company, 2002.

Non-Peer Reviewed Articles and Letters:

1. Sacks, S.T.; Palley, N.A.; Shubin, H.; and Afifi, A.A.: "Concurrent Statistical Evaluation During Patient Monitoring." Fall Joint Comput. Conf. Proc. 37:609-14, 1970.
2. Afifi, A.A.: Thoughts on the Experimental Design for the Health Insurance Experiment." Rand Corporation Publication P-4892, p. 9, August 1972.
3. Madison, R.; Zelman, R.; Mittman, C.; and Afifi, A.A.: "Restrictive Pulmonary Dysfunction Developing in Coke Oven Workers." Archives of Industrial Hygiene and Toxicology. The Proceeds of the XIX International Congress on Occupational Health 30:983-89, 1979.
4. Tchira, A. and Afifi, A.A.: "Alternatives to Ordinary Least Squares for Estimating Selling Price." Colloquium on Mathematical Methods for Computer-Assisted Mass Appraisal, Lincoln Land Policy Institute, Cambridge, Massachusetts, January 1980.
5. Paule, J.; McAuley, C.; Afifi, A. and Palmersheim, J.: "Accuracy of Total Protein Measured by the Refractometer in a Group of Plasmapheresis Donors." Plasma Quarterly 4(2):36-37; 51-52, 1982.
6. Lee, J.S.; Afifi, A.A.; Bermudez, E.; and Mustafa, M.G.: "Pulmonary Effects of Single and Combined Exposure of Rats to Ozone and Nitrogen Dioxide." In: Proceedings of Symposium on Health Risk Assessment on Environmental, Occupational and Life Style Hazards. C.P. Wed (ed), Institute of Biomedical Sciences, Academia Sinica, Taipei, Republic of China (Taiwan), p. 459-470, April 1991.
7. Afifi, A.A.: "Multiple Comparisons in Statistical Analysis." Proceedings of the 8th Conference on Radiation and Health, final report American Statistical Association, Conference on Radiation and Health VIII p. 75-82, 1990.
8. Afifi, A.A.; Banks, R.S.; Kheifets, L.I.; and Newman, B.: "Proceedings: Discussion of an EMF Protocol." EPRI EN-6829. Minneapolis, Minnesota: Robert S. Banks Associates Inc. July 1990.
9. Afifi, A.A.: "Use and Consequences: Drugs in America." UCLA Magazine, volume 2, number 2, page 41, November 1990.

10. Afifi, A.A.: "Health Data Don't Yet Justify Fear of Electromagnetic Fields." Editorial, The Columbus Dispatch, November 1992. Also published under other titles in: Seattle Post-Intelligencer, November 1992; The Salt Lake Tribune, November 1992; The Modesto Bee, December 1992; The San Diego Union-Tribune, December 1992; The Detroit News, April 1993.
11. Afifi, A.A.: "Safeguarding Public Health." Letter to the Editor, Los Angeles Times, November 1995. Also published under another title in UCLA Today, December 1995.
12. Afifi, A.A.: "Healthy Matters." UCLA Magazine (p 14-15) Spring 1997.
13. Afifi, A.A.: "Honor for Torrens." Letter to the Editor, Los Angeles Times, March 1997.
14. Afifi, A.A.: "Keeping Us Healthy Through Prevention." Letter to the Editor, Los Angeles Times, February 1998.
15. Afifi, A.A.; Wynham, Donna: "Public Health as Community Action and Empowerment." Proceedings of the 8th Health Sciences Colloquium, Bielefeld, Germany, March 2-4, 2000.
16. Afifi, A.A.; Wynham, Donna: "Developing a Framework for Partnership Between Universities and Health and Welfare Systems in the United States of America." Proceedings of a Global Symposium on Health and Welfare Systems Development in the 21st Century, Kobe, Japan, November 1-3, 2000.
17. Afifi, A. A.; Wynham, Donna: "Public-Private Partnerships in City Health Systems." Proceedings of a WHO Consultative Meeting: Private Sector Involvement in City Health Systems, Dunedin, New Zealand, February 14, 2001.

Papers Presented at Professional Meetings:

1. "Missing Values in Multiple Regression." Econometric Society Winter Meeting, Chicago, Illinois, December 1964. Abstract published in Econometrika, 1965.
2. "Large Sample Analysis of Linear Regression with Missing Value." A.A. Afifi and R. Elashoff, American Statistical Association Meeting, Los Angeles, August 1966.
3. "Multivariate Two-Sample Tests With Discrete and Continuous Data." R. Elashoff, and A.A. Afifi, I.M.A. Meeting, Los Angeles, August 1966.
4. "Accuracy of the Blood Pressure Measurements in Patients with Acute Hypertension and Shock." M.H. Weil, C.H. Rosen, and A.A. Afifi, Symposium on Circulatory Shock." University of Southern California, Los Angeles, February 1967.
5. "Correlation Between Discrete and Continuous Variables." A.A. Afifi and R. Elashoff, University of North Carolina, Chapel Hill, May 1967.
6. "Measuring the Severity of Shock to Guide Treatment." M.H. Weil and A.A. Afifi, Symposium on Critical Care Medicine and Circulatory Shock, USC School of Medicine, Post Graduate Division, Statler Hilton Hotel, Los Angeles, February 1968.
7. "Objective Basis for the Selection of Measurements to be Routinely Monitored." M.H. Weil and A.A. Afifi, Symposium on Critical Care Medicine and Circulatory Shock, USC School of Medicine, Post Graduate Division, Statler Hilton Hotel, Los Angeles, February 1969.
8. "Experimentelle und Klinische Untersuchungen über Laktat und Pyruvat als Indikatoren für den Schweregrad des Akuten Kreislaufversagens (Shock)." M.H. Weil and A.A. Afifi. Presented by Dr. M.H. Weil, Shock Stoffwechselveränderungen und Therapie Internationales Symposium, Freiburg, I., Br., 30 Oktober-1 November 1969.
9. "Limits to Define the Need for Alarms." M.H. Weil and A.A. Afifi, Symposium on Critical Care Medicine and Circulatory Shock, USC School of Medicine, Post Graduate Division, Statler Hilton Hotel, Los Angeles, California, February 1970.
10. "Problems in the Use of Survival Distribution in Clinical Trials." V.A. Clark and A.A. Afifi. Presented by Dr. Clark, A.A.A.S. Meeting, Berkeley, California, June 1970.
11. "Classification of Time Dependent Observations-Polynomial Model." S.P. Azen and A.A. Afifi, A.S.A. Meeting, USC Los Angeles, June 1970.
12. "Analysis of Respiratory and Other Measurements on 52 Patients in Shock." A.A. Afifi, H. Shubin, N.H. Weil, A.S.A. Joint Meetings, December 1970.
13. "Analysis of Physiological Measurements on 52 Patients Suffering From an Overdose of

- Barbiturates.” A.A. Afifi, S. Sacks, V. Liu, H. Shubin, M.H. Weil, Biomathematics Seminar, UCLA, December 1970.
14. “A Dynamic Prognostic Index for Patients with Drug Intoxication.” A.A. Afifi, S. Sacks, V. Liu, M.H. Weil, H. Shubin, USC School of Medicine, Post Graduate Division, Statler Hilton Hotel, Los Angeles, California, February 1971.
 15. “Prognostic Index for Computer-Monitored Patients.” H. Shubin, M.H. Weil, N. Palley, and A.A. Afifi, Biomathematics Seminar, USC, Los Angeles, May 1971.
 16. “Classification of Time-Dependent Observations-Polynomial Model.” S.P. Azen and A. A. Afifi, A.S.A. Meeting, Williamsburg Inn, Los Angeles, April 1972.
 17. “Two Models for Assessing Prognosis on the Basis of Successive Observations.” S.P. Azen and A.A. Afifi, A.S.A. Meeting, Montreal, Canada, August 1972.
 18. “Applying Simple Methods for Determining Whether Patients are Likely to Live or Die.” A.A. Afifi, 11th Annual Symposium on Critical Care Medicine & Circulatory Shock, USC School of Medicine, Post Graduate Division, Statler Hilton Hotel, Los Angeles, California, February 1973.
 19. “Optimum Task Allocation in Ambulatory Care Settings: A Methodological Approach.” G. Wolde-Tsadik, M.A. Haynes, A.A. Afifi, 104th American Public Health Association Meeting, Miami Beach, Florida, October 1976.
 20. “Health and Economic Development.” Conference on the Role of Health in the Third World, San Diego, May 1978.
 21. “Restrictive Pulmonary Dysfunction Developing In Coke Oven Workers.” R.S. Madison, R. Zelman, C. Mittman, A.A. Afifi, 19th International Conference of Occupational Health, Dubrovnik, Yugoslavia, September 1978.
 22. “Health and Economic Development II.” Southern California Chapter American Statistical Association, UCLA, Los Angeles, May 1979.
 23. “What Are My Chances: New Work in Assessing Individual Risk of Cardiovascular Diseases and Trauma.” American Public Health Association Meeting, Los Angeles, November, 1981.
 24. “Updating Risk Factors for Health Risk Appraisal - U.S. and Canadian Experiences in Methodological Issues and Data Base Problems.” American Public Health Association Meeting, November 1981.
 25. “Time-Space Clustering.” T.L. McAuliffe and A.A. Afifi, First Saudi Conference on Statistics and Its Application, King Saud University, Riyadh, Saudi Arabia, May 5, 1983.

26. "Goodness-of-Fit Statistics for General Linear Regression Equations in the Presence of Predicted Responses." P.C. Chang and A.A. Afifi, IMS/WNAR Meeting, San Luis Obispo, California, June 1985.
27. "Sample Size Calculations for Complex Survival Analysis." R. Elashoff, A. A. Afifi, and J. Lee, American Public Health Association Meeting, Las Vegas, Nevada, October 1986.
28. "The Place of Biostatistics in Public Health." Spiegelman Award Luncheon, American Public Health Association, New Orleans, Louisiana, 1987.
29. "Academia's Response to Public Health Issues." A.A. Afifi, PUBLIC HEALTH ISSUES: ELECTION 88, Southern California Public Health Association Spring Meeting, Los Angeles, California, May 1988.
30. "The Role of Universities in Promoting the Health of Underserved Populations." Ben Gurion University, Beer Sheva, Israel, December 1989.
31. "Epidemiological Aspects of Research in Electromagnetic Field Health Effects." Invited presentation at the annual meeting of the American Association of Physicists in Medicine, St. Louis, Missouri, July 1990.
32. "The Future of Public Health Education in California." The New Public Health: 1990, California Coalition Conference, Los Angeles, California, April 1990.
33. "Random Coefficient Regression and Mixture Models." S.C. Grosser, R.M. Elashoff, A.A. Afifi, American Statistical Association, Annual Meeting, Boston, August 1992.
34. "Los Angeles Community-Based Public Health Initiative." S. Kar, A.A. Afifi, et al., American Public Health Association (APHA) Annual Meeting, Washington D.C., November 1992.
35. "Random Coefficient Regression and Mixture Distribution Models." S.C. Grosser, R.M. Elashoff, A. A. Afifi, International Biometrics Conference, Hamilton, New Zealand, December 1992.
36. "Some Statistical Aspects of Electro Magnetic Field Health Related Research." L. Kheifets, A.A. Afifi, Biometric Society Conference, Los Angeles, June 1994.
37. "The Aging of Asia: Implications for Arthritis & Health Care Burden." Fifth Asia/Oceania Regional Congress of Gerontology, Hong Kong, November 1995.
38. "Public Health as Community Action and Empowerment." Proceedings of the 8th Health Sciences Colloquium, Bielefeld, Germany, March 2-4, 2000.

39. "Developing a Framework for Partnership Between Universities and Health & Welfare Systems in the United States." WHO Global Symposium on Health & Welfare Systems Development in the 21st Century, Kobe, Japan, November 2000.
40. "Defining 'Community-Based' Interventions." Neurosciences Center Workshop, Research on Mental Disorders: Overcoming Barriers to Collaborations Between Basic Behavioral Scientists and Public Health Scientists, Bethesda, MD, November 2000.
41. "Public-Private Partnerships to Improve Healthcare in the United States." WHO Conference on the Role of the Private Sector in the Health of Cities. Dunedin, New Zealand, February 2001.
42. "Public Health Aspects of Bioinformatics and Medical Informatics." American Statistical Association Conference on the Interface of Computing and Statistics. Irvine, California, June, 2001.
43. "Statistical Consulting in the Health Sciences: Setting the Stage." The Third Annual Workshop Emphasizing Collaboration: Critical Success Factors for Consulting and Collaborating, Claremont, California, October 2001.
44. "What's Hot for Biostatistics in Public Health?" American Statistical Association Conference, Applications in Statistics: What's Hot / What's Next VII Statistics and Public Health. Rensselaer, New York, March 2002.

Other Presentations:

1. Lecturer: Series of One Hour Lectures on Biostatistics for Summer Honor Course, University High School & Garfield High School, Summer Session, 1967.
2. Lecturer: USC School of Engineering, Series of 5 Lectures, Statistical Analysis Using Packaged Computer Programs, July 1972, June 1973.
3. Lecturer: A.M.A. Short course on Increasing Efficiency of Medical Practice, Anaheim, California, December 1973.
4. Lecturer: Short Course in Biometry Facility on Discriminant Analysis, the University of Vermont, Burlington, Vermont, March 1980.
5. Lecturer: "Relationship between Respiratory Impairment and Work Exposure for Coke Oven Workers." University of Occupational and Environmental Health, Japan, August 1985.
6. Lecturer: "Survival Analysis with Applications." Washington State University, July 1986.
7. Guest Speaker: "UCLA SPH Investment in Professional Education Research and

Community Service.” Public Health, an Investment in the Future of L.A., County Department of Health Services Public Health Week, Los Angeles, CA May 1988.

8. Chair: “Conference on Health Effects of Electro-Magnetic Fields.” Sponsored by Electric Power Research Institute, Baltimore, Maryland, February 1989.
9. Conference Moderator: Program in Statistics and Medical Ethics - “Are Randomized Clinical Trials in Neonatal Respiratory Failure Withholding ECMO Ethical?” UCLA, October 1989.
10. Lecturer: “Overview of Current Issues in Public Health.” Assoc. of Emeriti Faculty of UCLA, November 1989.
11. Discussant: Session on Births and Health Services Delivery, Annual Conference of the American Statistical Association, Anaheim, California, August 1990.
12. Group Leader: Discussion Group on Methodology, Workshop on Epidemiologic Research Needs in Studies of Exposure to Electric and Magnetic Fields, Carmel, California, 2/5-8, 1991.
13. Discussant on Biostatistics: First Annual Workshop in Biostatistics and Epidemiology for Ophthalmologists, University of Southern California, Los Angeles, CA 2/23, 1991.
14. Discussion Moderator: Health Care Session: “Challenges to Effective Delivery.” sponsored by Chancellor Young, Lake Arrowhead, California, April 1991.
15. Panelist: Current Intervention Session, “Girls & Women: Investment in the Future.” Unicef Conference, Los Angeles, California, January 1995.
16. Moderator: “Managing Health Professions Curricular Challenges in a Changing Environment.” University of California Health Sciences Colloquium, Newport, California, April 1996.
17. Presenter: “Public Health as a Future Career and a Profession.” Community-based Outreach Program, UCLA, A program to attract high school and junior high school students to UCLA, Annual presentation 1996-00.
18. Presenter: “The School of Public Health.” The UCLA Foundation Board of Directors. November 1999.
19. Chair: “Globalization of Health.” 2nd Global Ethics Symposium: Current Influences of Secular Morality and Religious Conscience. June 2002.

School of Public Health Activities:

A. Teaching:

Fall	1965	PH 160A, 160B, 290M, PM101
Spring	1966	PH 160A, 290M
Summer	1966	PH 290M - Statistical Research
Fall	1966	PH 160C, 241A
Winter 1967		PH PM101, 269B, 241B
Spring	1967	PH 160B, 160D, 290M-1
Summer	1967	PH 160A, 290M
Fall	1967	PH 160A, 241A
Winter 1968		PH 241B, 290M-1, PM101
Spring	1968	PH 240C, 269C, 290M
Fall	1968	PH 160A, 269A, 290M
Winter 1969		PH 242A, 160B
Spring	1969	PH 242B, 269C
Summer	1969	PH 160A, 290M - Ultra Modern Literature Review of Statistical Advances
Fall	1969	PH 160A, 241A
Winter 1970		PH 160B, 241B, BM101
Spring	1970	PH 240C
Summer	1970	Non-credit course: - Linear Statistical Methods
Fall	1970	PH 160A, 269A
Winter 1971		PH 160B, 290M-1
Spring	1971	PH 160D, 241C
Fall	1971	PH 160A-1, 290M
Winter 1972		PH 160B-1, 241B
Fall	1972	PH 160A, 290M
Winter 1973		PH 160B, 240B
Spring	1973	PH 160B
Fall	1973	PH 160A, 269A
Winter 1974		PH 240B, 241A
Spring	1974	PH 160C, 241B
Fall	1974	Sabbatical & Leave
Winter 1975		Sabbatical & Leave
Spring	1975	Sabbatical & Leave
Fall	1975	PH 160A-3, 290M-2
Winter	1976	PH 242A, 290M-1
Spring	1976	PH 240C, 242B
Fall	1976	Leave of Absence
Winter	1977	Leave of Absence
Spring	1977	Leave of Absence

Fall	1977	M 241A
Winter	1978	PH 160A, M 241B
Spring	1978	M 241C, PH 267
Fall	1978	PH 101A
Winter	1979	PH 101B, PH 200B
Spring	1979	PH 204F
Fall	1979	PH 495
Winter	1980	PH 402, 223
Spring	1980	PH 200C
Fall	1980	PH 100A-2, M205A
Spring	1981	PH 100B, 200C
Fall	1981	PH 100A, 201G
Spring	1982	PH 100C, 200C
Fall	1982	Sabbatical & Leave
Winter	1983	Sabbatical & Leave
Spring	1983	Sabbatical & Leave
Fall	1983	PH 101A, 205A
Winter 1984		PH 101B
Spring	1984	PH 200C
Fall	1984	PH 402B
Winter 1985		PH 206A
Spring	1985	PH 200C, PH 206B
Fall	1985	PH 100A
Winter	1987	PH 599
Spring	1987	PH 599
Fall	1987	PH 599
Fall	1988	PH 599
Fall	1988	PH 100A
Winter	1989	PH 599
Spring	1989	PH 599
Fall	1990	Bios 597
Winter	1991	Bios 597
Spring	1991	Bios 597
Fall	1991	Bios 597
Winter	1992	Bios 597
Spring	1992	Bios 597
Fall	1992	Bios 597
Winter	1993	Bios 597
Spring	1993	Bios 597
Fall	1993	Bios 597
Winter	1994	Bios 597
Spring	1994	Bios 597
Fall	1994	Bios 597
Winter	1995	Bios 597, Bios 406

Spring	1995	Bios 597
Fall	1995	Bios 597
Winter	1996	Bios 597, Bios 406
Spring	1996	Bios 599
Winter	1999	Bios 406 Ten guest lectures
Fall	2001	Bios 100A
Fall	2001	PH150 Guest lecture
Winter	2002	Bios 100B
Summer	2002	Non-credit course - Summer Program in Clinical Research
Fall	2002	PH150 Guest lecture
Fall	2002	Bios 100A
Winter	2003	Bios 411
Spring	2003	Bios 406

B. Chair of Doctoral Committee:

Proprietary information has been deleted.

C. Member of Doctoral Committee:

Proprietary information has been deleted.

D. Member of Masters Committee:

Proprietary information has been deleted.

5/03