

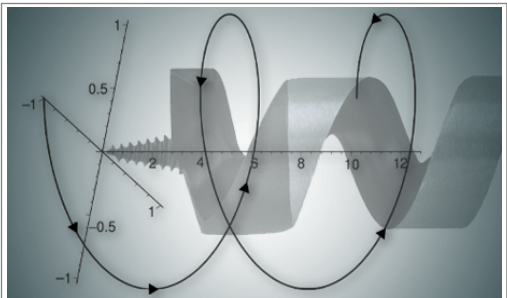
- Coursera Calculus Certificate.pdf
- Coursera cosmo 2016.pdf
- Coursera Data Science Certificate.pdf
- Coursera EM 2016.pdf
- Coursera Machine Learning Certificare.pdf
- UA_Astronomy.pdf

MAY 03, 2013

Statement of Accomplishment

SUNIL MANDHAN

HAS SUCCESSFULLY COMPLETED THE OHIO STATE UNIVERSITY'S ONLINE OFFERING OF



Calculus One

This undergraduate course is a one semester introduction to the differential and integral calculus, covering the definition, techniques, and applications of limits, derivatives, and integrals.

BART SNAPP, PHD
BAREIS LECTURER
THE DEPARTMENT OF MATHEMATICS, THE OHIO STATE
UNIVERSITY

LECTURER
DEPARTMENT OF MATHEMATICS, THE OHIO STATE
UNIVERSITY

JIM FOWLER, PH.D.
DEPARTMENT OF MATHEMATICS, THE OHIO STATE
UNIVERSITY

PLEASE NOTE: THE ONLINE OFFERING OF THIS CLASS DOES NOT REFLECT THE ENTIRE CURRICULUM OFFERED TO STUDENTS ENROLLED AT THE OHIO STATE UNIVERSITY. THIS STATEMENT DOES NOT AFFIRM THAT THIS STUDENT WAS ENROLLED AS A STUDENT AT THE OHIO STATE UNIVERSITY IN ANY WAY. IT DOES NOT CONFER AN OHIO STATE UNIVERSITY GRADE; IT DOES NOT CONFER OHIO STATE UNIVERSITY CREDIT; IT DOES NOT CONFER AN OHIO STATE UNIVERSITY DEGREE; AND IT DOES NOT VERIFY THE IDENTITY OF THE STUDENT.

MARCH 26, 2013

Statement of Accomplishment

SUNIL MANDHAN

HAS SUCCESSFULLY COMPLETED AN ONLINE OFFERING, "GALAXIES AND COSMOLOGY."



Galaxies and Cosmology

The class covered: basics of relativistic cosmology; contents of the universe and cosmological tests; formation and evolution of galaxies and large-scale structure; active galactic nuclei; and other topics.

A handwritten signature in black ink, appearing to read 'S. G. Djorgovski', written over a horizontal dotted line.

PROFESSOR S. G. DJORGOVSKI
CALIFORNIA INSTITUTE OF TECHNOLOGY

LIMITATIONS OF THIS STATEMENT: THE STUDENT HAS IDENTIFIED HIMSELF/HERSELF BY ENTERING A NAME INTO AN ONLINE FIELD; THE STUDENT MAY OPTIONALLY PROVIDE A PROFILE INCLUDING DATE OF BIRTH, GENDER, AND CITY OF RESIDENCE. THE STUDENT AFFIRMS THAT (S)HE HAS DONE THE WORK PERSONALLY AND HAS COMPLIED WITH AN HONOR CODE. THIS OFFERING PROCEEDS SEPARATELY FROM ENROLLMENT AT CALTECH AND FROM THE EDUCATIONAL PROGRAMS THAT LEAD TO A CALTECH GRADE, COURSE CREDIT OR DEGREE.

JUNE 29, 2013

Statement of Accomplishment

SUNIL MANDHAN

HAS SUCCESSFULLY COMPLETED THE ONLINE OFFERING OF



Introduction to Data Science

This course covered a broad set of topics critical to practical data science: relational databases, MapReduce, NoSQL, statistical modeling, basic machine learning, and visualization, and a variety of algorithmic topics.

BILL HOWE, PH.D
ASSOCIATE DIRECTOR
ESCIENCE INSTITUTE
AFFILIATE ASSISTANT PROFESSOR
COMPUTER SCIENCE & ENGINEERING
UNIVERSITY OF WASHINGTON

PLEASE NOTE: THIS STATEMENT DOES NOT AFFIRM THAT THIS STUDENT WAS ENROLLED AS A STUDENT AT AN ACADEMIC INSTITUTION IN ANY WAY. IT DOES NOT CONFER A GRADE; IT DOES NOT CONFER ACADEMIC CREDIT; IT DOES NOT CONFER A DEGREE; AND IT DOES NOT VERIFY THE IDENTITY OF THE STUDENT.

APRIL 01, 2013

Statement of Accomplishment

SUNIL MANDHAN

HAS SUCCESSFULLY COMPLETED GEORGIA INSTITUTE OF TECHNOLOGY'S ONLINE OFFERING OF



Introduction to Engineering Mechanics

This course addressed the modeling and analysis of static equilibrium problems with an emphasis on real world engineering applications and problem solving.

DR. NELSON BAKER
DEAN OF PROFESSIONAL EDUCATION
GEORGIA TECH PROFESSIONAL EDUCATION

WAYNE E. WHITEMAN, PH.D., P.E.
SENIOR ACADEMIC PROFESSIONAL
WOODRUFF SCHOOL OF MECHANICAL ENGINEERING,
GEORGIA INSTITUTE OF TECHNOLOGY

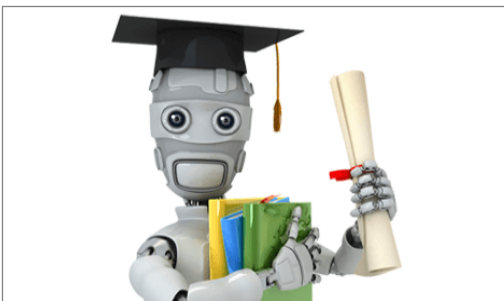
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MARCH 10, 2013

Online Course Statement of Accomplishment

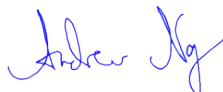
SUNIL MANDHAN

HAS SUCCESSFULLY COMPLETED A FREE ONLINE OFFERING OF THE FOLLOWING COURSE
PROVIDED BY STANFORD UNIVERSITY THROUGH COURSERA INC.




Machine Learning

Congratulations! You have successfully completed the online Machine Learning course (ml-class.org). To successfully complete the course, students were required to watch lectures, review questions and complete programming assignments.



ASSOCIATE PROFESSOR ANDREW NG
COMPUTER SCIENCE DEPARTMENT
STANFORD UNIVERSITY



ASSOCIATE PROFESSOR ANDREW NG
COMPUTER SCIENCE DEPARTMENT
STANFORD UNIVERSITY

PLEASE NOTE: SOME ONLINE COURSES MAY DRAW ON MATERIAL FROM COURSES TAUGHT ON CAMPUS BUT THEY ARE NOT EQUIVALENT TO ON-CAMPUS COURSES. THIS STATEMENT DOES NOT AFFIRM THAT THIS PARTICIPANT WAS ENROLLED AS A STUDENT AT STANFORD UNIVERSITY IN ANY WAY. IT DOES NOT CONFER A STANFORD UNIVERSITY GRADE, COURSE CREDIT OR DEGREE, AND IT DOES NOT VERIFY THE IDENTITY OF THE PARTICIPANT.



Congratulations!

You have successfully completed **Astronomy: Exploring Time and Space** from **University of Arizona**.

Final Grade **93.9** %



[Unlock a certificate](#) to share your achievement with the world!

Keep Learning

More in Physical Science and Engineering

Looks like other courses in Physical Science and Engineering are starting soon. What will you learn next?

[View Catalog](#)