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|  FLORIDA ATLANTIC UNIVERSITY | NEW/CHANGE PROGRAM REQUEST Graduate Programs | UGPC Approval _____ UFS Approval _____ Banner _____ Catalog _____ |
| | Department Computer and Electrical Eng and Computer Science College Engineering and Computer Science | |
| Program Name Big Data Analytics Certificate | <input type="checkbox"/> New Program* <input checked="" type="checkbox"/> Change Program* | Effective Date (TERM & YEAR) Spring 2021 |
| <p>Please explain the requested change(s) and offer rationale below or on an attachment.</p> <p>This proposal adds new courses to the Big Data Certificate: CAP6616 Applied Machine Learning ISM6427 Business Innovation with Artificial Intelligence</p> | | |
| <p><small>*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.</small></p> | | |
| Faculty Contact/Email/Phone Dr. Hanqi Zhuang/Zhuang@fau.edu/561-297-3413 | Consult and list departments that may be affected by the change(s) and attach documentation College of Business, ITOM | |
| Approved by Department Chair <u>Hanqi Zhuang</u> <small>Digitally signed by Hanqi Zhuang DN: cn=Hanqi Zhuang, o=FAU, ou=CEECES, email=zhuang@fau.edu, c=US Date: 2020.06.11 16:59:23 -0400</small> College Curriculum Chair <u>Ramesh Teegavarapu</u> <small>Digitally signed by Ramesh Teegavarapu DN: cn=Ramesh Teegavarapu, o=Florida Atlantic University, ou=Civil, Environmental and Geomatics Engineering, email=rteegava@fau.edu, c=US Date: 2020.06.11 14:48:59 -0400</small> College Dean <u>Mihaela Cardel</u> <small>Digitally signed by Mihaela Cardel DN: cn=Mihaela Cardel, o=Florida Atlantic University, ou, email=mcardel@fau.edu, c=US Date: 2020.06.11 14:48:59 -0400</small> UGPC Chair <u><i>Christopher Beetle</i></u> UGC Chair <u><i>Paul R. [Signature]</i></u> Graduate College Dean <u><i>Robert [Signature]</i></u> UFS President _____ Provost _____ | Date <u>6/11/2020</u> <u>6/12/2020</u> <u>6/14/2020</u> <u>Sep 16, 2020</u> <u>Sep 16, 2020</u> <u>Sep 17, 2020</u> _____ _____ | |

Email this form and attachments to UGPC@fau.edu 10 days before the UGPC meeting.

Big Data Analytics Graduate Certificate

Big Data Analytics Courses by Track

| CS Data Analytics Courses (Select three from this list and one from the list of ITOM courses.) | | |
|--|-----------------|----------|
| Introduction to Neural Networks | CAP 5615 | 3 |
| Social Networks and Big Data Analytics | CAP 6315 | 3 |
| Data Mining for Bioinformatics | CAP 6546 | 3 |
| Data Mining and Machine Learning | CAP 6673 | 3 |
| <u>Applied Machine Learning</u> | <u>CAP 6616</u> | <u>3</u> |
| Information Retrieval | CAP 6776 | 3 |
| Web Mining | CAP 6777 | 3 |
| Advanced Data Mining and Machine Learning | CAP 6778 | 3 |
| Big Data Analytics with Hadoop | CAP 6780 | 3 |
| Computer Performance Modeling | CEN 6405 | 3 |
| Deep Learning | CAP 6619 | 3 |
| Computational Advertising and Real-Time Data Analytics | CAP 6807 | 3 |
| Natural Language Processing | CAP 6640 | 3 |
| Introduction to Data Science | CAP 5768 | 3 |
| ITOM Business Analytics Courses (Select three from this list and one from the list of CS courses.) | | |
| Data Mining and Predictive Analytics | ISM 6136 | 3 |
| Database Management Systems | ISM 6217 | 3 |
| Introduction to Business Analytics and Big Data | ISM 6404 | 3 |
| Advanced Business Analytics | ISM 6405 | 3 |
| Social Media and Web Analytics | ISM 6555 | 3 |
| Data Management and Analysis with Excel | QMB 6303 | 3 |
| <u>Business Innovation with Artificial Intelligence</u> | <u>ISM 6427</u> | <u>3</u> |
| Data Analysis for Managers | QMB 6603 | 3 |

From: Tamara Dinev <tdinev@fau.edu>
Sent: Thursday, July 30, 2020 3:11 PM
To: Mihaela Cardei <mcardei@fau.edu>
Cc: Hanqi Zhuang <zhuang@fau.edu>
Subject: RE: MSITM & Big Data Certificate revisions

Yes, done!

Best Regards:
Tamara

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Tamara Dinev, Ph.D., Department Chair and Professor
Dean's Distinguished Research Fellow
Department of Information Technology and Operations Management, FL 219
College of Business, Florida Atlantic University
Boca Raton, Florida 33431
tel. (561) 297-3181, email: tdinev@fau.edu
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From: Mihaela Cardei <mcardei@fau.edu>
Sent: Thursday, July 30, 2020 3:10 PM
To: Tamara Dinev <tdinev@fau.edu>
Cc: Hanqi Zhuang <zhuang@fau.edu>
Subject: Re: MSITM & Big Data Certificate revisions

Thank you Tamara. Attached are the revised documents. I will proceed with the approvals.

regards,
Mihaela

From: Tamara Dinev <tdinev@fau.edu>
Sent: Thursday, July 30, 2020 3:01 PM
To: Mihaela Cardei <mcardei@fau.edu>
Subject: RE: MSITM & Big Data Certificate revisions

Hi Mihaela:

It looks good. I apologize, I just double checked with Maria Jennings, and they came back with a slightly different number - ISM 6427 - for the Business Innovation with Artificial Intelligence.
So please go ahead and change just the last digit of the course, and we are good to go. No need to check with me again for this small edit

Best Regards:
Tamara

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Tamara Dinev, Ph.D., Department Chair and Professor

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From: Mihaela Cardei <mcardei@fau.edu>
Sent: Thursday, July 30, 2020 9:59 AM
To: Tamara Dinev <tdinev@fau.edu>
Cc: Hanqi Zhuang <zhuang@fau.edu>
Subject: MSITM & Big Data Certificate revisions

Hello Tamara,

could you please check the attached documents with revisions for the MSITM & Big Data Certificate and let us know if they look ok on your side.

thanks,
Mihaela