Revised: September 16, 2019

Start date September 2015

ASSURANCE OF LEARNING PROGRESS

AACSB 2013 STANDARDS (Updated July 2018)  
STANDARD 8

The following table lists the number of times that each learning goal (50) has been assessed for fourteen programs. This document tracks the assessments from the time of accreditation. The recent history columns show the progress and plan to assess each learning goal in the most recent semesters. Legend: D = data is/has been collected; S = an assessment is scheduled; C = the assessment is complete and the documents have been updated. The right most columns demonstrate the latest progress toward the goal.

**Learning Goals for Each Program, Number of Times Assessed for 5 years continuous improvement cycle.**

**Undergraduate Programs**

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|  |  |  |  | **Recent History** | | | | | | |  |  | |  | | |
| **Owner** | **Goal #** | **BS in Business**  **Goal** | | **Count** | **F’15** | **F’16** | **F’17** | **F’18** | **F’20** | **F’21** | **Objectives** | | **Results (Expectations)%** | | | | |
| **Not meet** | | **Meet** | **Exceed** | |
| Garg, & Stein | BT-1  BT401 (F) | Students can communicate effectively in written and oral presentations. | | 4 | C | C | C | C  (pres) | S |  | 1: Written Skills | | 0 | | 66 | 34 | |
| 2: Oral Skills | | 0 | | 58 | 42 | |
| Aronson | BT–2  BT330 (F) | Our students can interact effectively in teams. | | 3 | C |  | C | C | S |  | 1: Facilitation | | 15 | | 49 | 36 | |
| 2: Relationships | | 21 | | 52 | 27 | |
| Parfett | BT-3  MIS460 (F) | Students understand how technology is leveraged to improve business performance. | | 4 | C | C | C | C | S |  | Recognize  importance of  technology | | 5 | | 72 | 23 | |

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|  |  |  |  | **Recent History** | | | | | | |
| **Owner** | **Goal #** | **BS in Quantitative Finance**  **Goal** | | **Count** | **F’15** | **F’16** | **F’17** | **F’18** | **F’20** | **F’21** | **Objectives** | **Results (Expectations)%** | | |
| **Not meet** | **Meet** | **Exceed** |
| Ghoddusi & Stein | QF-1  QF401  (QF101 beforeF ’18) (F) | Students can communicate effectively in written and oral presentations. | | 4 | C (pres) | C | C | C | S |  | 1: Written Skills | 0 | 24 | 76 |
| 2: Oral Skills | 0 | 9 | 91 |
| Aronson | QF–2  QF201  (F) | Our students can interact effectively in teams. | | 3 | C |  | C | C | S |  | 1: Facilitation | 22 | 26 | 52 |
| 2: Relationships | 15 | 65 | 20 |
| Creamer | QF-4  QF301  (F) | Competence in the critical application of financial models and technical systems and quantitative methods required for the QF domain | | 4 | C | C | C | C | S |  | Application of  financial models | 7 | 33 | 60 |

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| **Graduate Programs** | | | |  | | | | | | | | | | | | | | |  | |  |  |  |  |
| **Recent History** | | | | | | | | | | |  | | | |
| **Owner** | **Goal #** | **MSTM/EMBA PROGRAM**  **Goal** | **Count** | **F’15** | **S’16** | **F’16** | **S’17** | **F’17** | **S’18** | **Sum’18** | **F’18** | **F’20** | **S’21** | **Objectives** | | **Results (Expectations)%** | | | |
| **Not meet** | **Meet** | **Exceed** | |
| Koen, Squires& Stein | EM-1  EMT752  (Sum) EMT725(F) Koen  oral  EMT635  Squires  Summer  Wr(f) | Students can communicate effectively in written and oral presentations. | 5 | C |  |  |  | C | C oral | C  wt | C  wr | S |  | 1: Written Skills | | 50 | 0 | 50 | |
| 2: Oral Skills | | 0 | 25 | 75 | |
| Dominick | EM-2  EMT740 (F) | Inspire, motivate and lead teams and groups of technical professional and knowledge workers to maximize human capital | 4 | C |  | C |  | C |  |  | C | S |  | 1: Personal mindset | | 0 | 44 | 56 | |
| 2: Interpersonal effectiveness  Phased out in 2017 | | 0 | 71 | 29 | |
| Frank | EM-3  EMT714  (sum) | Develop, articulate and put into practice technology strategies aligned with corporate mission, business strategy. | 3 |  | C  (sum)  16 |  | C  Sum 17 |  |  | C |  |  |  | 1: Business strategy | | 0 | 0 | 100 | |
| 2: Technology strategy | | 0 | 0 | 100 | |
| Koen | EM-4  EMT752(Sum) | Identify, assess, launch, and lead organizational strategic initiatives for the creation of new businesses and sustaining existing businesses. | 3 |  | C |  | C |  | C |  |  |  |  | 1: Business plan | | 4 | 34 | 62 | |
| 2: Product development | | 15 | 12 | 73 | |

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| **Owner** | **Goal #** | **MS in BIA**  **Goal** | **Count** | **F’15** | **S’16** | **F’16** | **S’17** | **F’17** | **F’18/S19** | **F’20** | **S’21** | **Objectives** | | **Results (Expectations)%** | | |
| **Not meet** | **Meet** | **Exceed** |
| Stohr &  Stein | BIA-1  BIA  650  (F,S) | Students can communicate effectively in written and oral presentations. | 8 | C | C | C | C | C | C/C | S |  | 1: Written Skills | | 42 | 25 | 33 |
| 2: Oral Skills | | 0 | 100 | 0 |
| Lappas | BIA-2  BIA  660 (F) | Our students can interact effectively in teams. | 4 | C |  | C |  | C | C | S |  | Effective interaction | | 1 | 12 | 87 |
| Asakiewicz | BIA-3  BIA  686 (F) | Students understand and can apply a broad range of business analytic techniques | 4 | C |  | C |  | C | C | S |  | Analytic techniques | | 47 | 28 | 25 |
| Creamer/  Bozog | BIA-5  BIA  656 (F) | Students can find and deploy business solutions based on analyses of large and heterogeneous data sets. | 3 |  |  | C |  | C | C | S |  | Use analytical methods | | 0 | 38 | 72 |

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|  | **Recent History** | | | | | | | | | |
| **Owner** | **Goal #** | | **MS in EPM**  **Goal** | | **Count** | **F’15** | **S’16** | **F’16** | **S’17** | **F’17** | **S’18** | **F’18** | **F’20** | **S’21** | **Objectives** | | **Results (Expectations)%** | | | |
| **Not meet** | **Meet** | **Exceed** | |
| Lechler Stein | EPM-1  MGT  609  (F,S) | | Students can communicate effectively in written and oral presentations. | | 6 | C | C | C | C | C |  | C | S |  | 1: Written Skills | | 0 | 25 | 75 | |
| 2: Oral Skills | | 0 | 11 | 89 | |
| Domnick | EPM-2  MGT  689 until fall 18 than  MGT619  (f) | | Our students can interact effectively in teams. | | 3 | C |  |  | C |  | C |  | **S** |  | **Objective** | | **Overall result** | **Interpretation result** | | |
| Collaborative problem solving | | 75 | Excellent | | |
| Communication/Active listening | | 82 | Excellent | | |
| Conflict resolution | | 70 | Fair | | |
| Team leadership and task coordination | | 75 | Fair | | |
| Lechler | EPM-3  MGT  610  (F) | | Students are able to develop a plan that shows how an enterprise project creates value for its stakeholders. | | 3 |  |  | C |  | C |  | C | S |  | 1: Apply project management methodology | | 0 | 29 | | 71 |
| 2: Integrate business into a project plan | | 0 | 6 | | 94 |
| Aronson | EPM-4  MGT  612  (F) | | Student understands how to influence and lead enterprise projects. | | 4 | C |  | C |  | C |  | C | S |  | Influence and  lead projects | | 0 | 78 | | 22 |

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|  |  |  | | | **Recent History** | | | | | | | | | |
| **Owner** | **Goal #** | **MSIS PROGRAM**  **Goal** | **Count** | **F’15** | | **S’16** | **F’16** | **S’17** | **F’17** | **S’18** | **F’18** | **S’19** | **F’20** | **S’21** | **Objectives** | **Results (Expectations)%** | | |
| **Not meet** | **Meet** | **Exceed** |
| Zur  Muehlen  Stein | IS-1  MGT  609 (F) | Students can communicate effectively in written and oral presentations. | 6 | C | | C | C | C | C |  | C |  | S |  | 1: Written Skills | 18 | 62 | 20 |
| 2: Oral Skills | 0 | 13 | 87 |
| Holahan | IS-2  MGT  689 (F) | Our students can interact effectively in teams. | 4 | C | |  |  | C |  | C | C |  | **S** |  | **Objective** | **Overall result** | **Interpretation result** | |
| Collaborative problem solving | 68 | Deficient | |
| Communication/Active listening | 76 | Fair | |
| Conflict resolution | 67 | Deficient | |
| Team leadership and task coordination | 77 | Fair | |
| Parfett | IS-3  MIS  760 (F) | Students can formulate and articulate plans to align business & IT. | 4 |  | | C | C |  | C |  | C |  | S |  | Role of the  CIO and IT org | 13 | 53 | 33 |
| Stohr | IS-5  MIS  710(F) | Students can analyze a business situation and design an integrated process and data model to satisfy organizational goals | 3 |  | |  | C | C | C |  |  | S | S |  | 1: Develop process goals | 0 | 38 | 62 |
| 2. Develop a “to be” process map | 25 | 58 | 17 |
| 3: Design an integrated process and data model | 0 | 38 | 62 |
| 4. Identify and design the data consumed by the process | 17 | 29 | 54 |

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| **Owner** | **Goal #** | | **MSM PROGRAM**  **Goal** | | **Count** | | **F’15** | **S’16** | **F’16** | **S’17** | **F’17** | **S’18** | **F’18** | **S’19** | **F’20** | **S’21** | **Objectives** | **Results (Expectations)%** | | |
| **Not meet** | **Meet** | **Exceed** |
| Lechler  Stein | MSM–1  MGT  609  (F) | | Students can communicate effectively in written and oral presentations. | | 7 | | C | C | C | C | C | C  Wr  Sum18 | C  wr |  | S |  | 1. Written Skills | 22 | 44 | 34 |
| 2. Oral Skills | 0 | 12 | 88 |
| Holohan | MSM-2  MGT 689 (F) | | Our students can interact effectively in teams. | | 4 | | C |  |  | C |  | C | C |  | S |  | **Objective** | **Overall result** | **Interpretation result** | |
| Collaborative problem solving | 68 | Deficient | |
| Communication/Active listening | 76 | Fair | |
| Conflict resolution | 67 | Deficient | |
| Team leadership and task coordination | 77 | Fair | |
| Yan Chen/  Frank | MSM-3  MGT  671  (S) | | Students will understand how a firm uses technology for competitive advantage in satisfying its business strategy. | | 4 | |  | C |  | C |  | C |  | C |  | S | Prepare a  technology  strategy | 0 | 0 | 100 |
| Mithani | MSM-4  MGT  699 (F) | | Students will be able to effectively utilize analytic problem solving skills. | | 3 | |  |  | C |  | C |  | C |  | S |  | Solve Complex Problems | 20 | 38 | 42 |

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| **Owner** | **Goal #** | | **MBA PROGRAM**  **Goal** | | | **Count** | **F’15** | **S’16** | **F’16** | **S’17** | | **F’17** | **S’18** | **F’18** | **S’19** | **F’20** | **S’21** | **Objectives** | **Results (Expectations)%** | | |
| **Not meet** | **Meet** | **Exceed** |
| Stein/  Reilly/Luo | MBA–1  MGT  635ws (F) –wr  Fin623 (F) - oral | | Students can communicate effectively in written and oral presentations. | | | 6 | C (wr) | C (wr) | C oral | C writ | | C |  | C  writ |  | S |  | 1. Written Skills | 25 | 25 | 50 |
| 2. Oral Skills | 0 | 0 | 100 |
| Aronson | MBA-2  MGT  699 (F) | | Students understand effective interaction in teams. | | | 3 |  |  | C |  | | C |  | C |  | S |  | 1. Facilitate task accomplishment | 18 | 32 | 50 |
| 2. Facilitate relationship building | 11 | 32 | 57 |
| Yan Chen/  Frank | MBA-3  MGT  671 (S) | | Students are able to utilize technology for competitive advantage in analytic and creative problem solving. | | | 4 |  | C |  | C | |  | C |  | C |  | S | Technology  strategy | 0 | 0 | 100 |
| Mithani | MBA-4  MGT  699 (F) | | Students are able to engage in analytic problem solving. | | | 3 |  |  | C |  | | C |  | C |  | S |  | Analytic problem  solving | 20 | 38 | 42 |

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| **Owner** | | | **Goal #** | | **FINANCE MASTER PROGRAM**  **New program Fall 2015**  **Goal** | | **Count** | **F’16** | **S’17** | **F’17** | **S’18** | **F’18** | **S’19** | **F’20** | **S’21** | **Objectives** | | **Results (Expectations)%** | | |
| **Not meet** | **Meet** | **Exceed** |
| Baneree & Stein | | | MFIN-1  Fin  629 (S) | | Students can communicate effectively in written and oral presentations | | 4 |  | C | C |  | C | C |  | S | 1.Written skills | | 15 | 70 | 15 |
| 2.Oral skills | | 0 | 84 | 16 |
| Suman Baneree | | | MFIN-2  Fin  629 (S) | | Students can interact effectively in teams. | | 3 |  | C |  | C |  | C |  | S | Effective interaction | | 7 | 65 | 28 |
| Dragos Bozdog | | | MFIN-3  FE  511 (F) | | Students will achieve mastery of the technical and basic quantitative methods required for the Finance domain. | | 3 | C |  | C |  | C |  | S |  | Technical & basic quantitative methods | | 0 | 25 | 75 |
| Victor Luo | | | MFIN-4  Fin623 (S) | | Students are able to implement financial solutions to improve the performance of financial or non-financial businesses. | | 3 |  | C |  | C |  | C |  | S | Design and implement financial models | | 10 | 45 | 45 |

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|  |  | |  |  | **Recent History** | | | | |
| **Owner** | **Goal #** | **Financial Engineering moved to SOB July 2017**  **Goals evaluated in Fall ‘17**  **Goal** | | **count** | **S’18** | **F’18** | **S’19** | **F’20** | **S’21** | **Objectives** | | **Results (Expectations)%** | | |
| **Not meet** | **Meet** | **Exceed** |
| Cui, & Stein | FE-1  FE800  F | Students can communicate effectively in written and oral presentations | | 3 | C | C | C | S |  | 1. Written skills | | 9 | 49 | 42 |
| 2. Oral skills | | 0 | 14 | 86 |
| Pape Ndiaye | FE-630  F | Students can interact effectively in teams. | | 3 | C | C | C | S |  | 1: Facilitate leadership & relationship building | | 0 | 11 | 89 |
| Florescu/Policastro | FE-621  F | Students understand and can apply a broad range of techniques to implement and approximate the value of financial instruments of financial instruments and underlying processes | | 3 | C | C | C | S |  | Financial derivative pricing models  Interest rate models | | 17 | 21 | 62 |
| Bozdog | FE680  F | Students can apply techniques of stochastic calculus to price derivative securities | | 3 | C | C | C | S |  | Interest models | 11 | | 25 | 64 |
| Derivative models | 17 | | 22 | 61 |

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| **Owner** | **Goal #** | **Financial Analytics**  **moved to SOB July 2017**  **Goals evaluated in Fall ’17 /Spring “18**  **Goal** | | **Count** | **F’18** | **S’19** | **F’20** | **S’21** | **Objectives** | **Results (Expectations)%** | | |
| **Not meet** | **Meet** | **Exceed** |
| Cui, Stein | FA-1 FE800 | Students can communicate effectively in written and oral presentations | | 2 | C  Comb  With FE | C | S |  | 1.Written skills | 17 | 43 | 40 |
| 2. Oral skills | 0 | 0 | 100 |
| Florescu(f)  Blaney (S) | FA-2  FE541/FE595 | Students can interact effectively in teams | | 2 | C | C | S |  | Team leadership & facilitation | 0 | 5 | 95 |
| Bozdog | FA-3  FE582 | Students will be able to collect, clean, and perform exploratory analysis on data sets and apply data mining methods to generate reports | | 2 | C | C | S |  | Analysis on data sets | 12 | 18 | 70 |

**PhD Programs**

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| **Owner** | **Goal #** | | **PhD in Business Administration PROGRAM Fall ‘ 16**  **Implem significant changes**  **Goals assessed when students reach proper stages**  **Goal** | | **Count** | **F’16** | **S’17** | **F’17** | **S’18** | **F’18** | **S’19** | **F’20** | **S’21** | **Objectives** | **Results (Expectations)%** | | |
| **Not meet** | **Meet** | **Exceed** |
| Lechler | PhD-1 | | PhD graduates can effectively communicate research in oral presentations  Assessments will be done for every student at the end of the first and second year (F) | | 2 |  |  | C |  | C |  | **S** |  | Oral Skills | **0** | 66 | 34 |
| Lechler | PhD-2 | | Ph.D. graduates will have sufficiently mastered the core knowledge and tools needed to conduct original research in a timely manner.  Assessment will be done either at the proposal defense in year three or four or at the defense of the dissertation. (S) | | 2 | C |  |  |  | C |  | S |  | Write competitive research papers  Dissertation proposal defense | N/A |  |  |
| Lechler | PhD-3 | | Ph.D. graduates are able to effectively deliver academic courses in a university environment.  Assessment will be done as students are ready (F,S – individual) | | 2 |  |  |  | C | C |  | S |  | Effectively deliver a course | N/A |  |  |

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| **Owner** | **Goal #** | **PhD in Financial Engineering PROGRAM**  **moved to SOB July 2017**  **Goals evaluated in Fall ’17 /Spring “18**  **Goal** | **Count** | **F’18** | **S’19** | **F’20** | **S’21** | **Objectives** | **Results (Expectations)%** | | |
| **Not meet** | **Meet** | **Exceed** |
| Yang | PhD-FE1 | PhD graduates can effectively communicate research in oral presentations | 2 | C | C | S |  | Oral Skills | 0 | 15 | 85 |
| Yang | PhD-FE2 | Ph.D. graduates will have sufficiently mastered the core knowledge and tools needed to conduct original research in a timely manner. | 2 | C | C | S |  | Conduct original research | N/A |  |  |
| Yang | PhD-FE3 | Ph.D. graduates are able to effectively deliver academic courses in a university environment. | 2 | C |  | S |  | Effectively deliver a course | N/A |  |  |

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| **Owner** | **Goal #** | **PhD in Data Science PROGRAM**  **Joint with Engineering**  **First 4 students in Fall 2018**  **No assessments are possible till the 1st student reaches the qualifier stage**  **Goal** | **Count** | **F’20** | **S’21** | **Objectives** | **Results (Expectations)%** | | |
| **Not meet** | **Meet** | **Exceed** |
| Stohr | PhD-DS1 | PhD graduates can effectively communicate research in oral presentations |  | S |  | Oral Skills |  |  |  |
| Stohr | PhD-DS2 | Ph.D. graduates will have sufficiently mastered the core knowledge and tools needed to conduct original research in a timely manner. |  | S |  | Conduct original research | N/A |  |  |
| Stohr | PhD-DS3 | Ph.D. graduates are able to effectively deliver academic courses in a university environment. |  | S |  | Effectively deliver a course | N/A |  |  |