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| Details zum Modul | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | | | | | | | | | | | | | | **Studienjahr** | | | | | | | **Studiensemester** | | | |
| BA015 | | | | | | | | | | | | | |  | | | | | | | Wahlfach | | | |
| Bezeichnung | | | | | | | | | | | | | | **VL** | | **UE** | | | **LU** | | **ECTS** | | | |
| Multikriterielle Entscheidungsfindung | | | | | | | | | | | | | | 3 | | 0 | | | 0 | | 7.5 | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | |
| Sprache | | | | Englisch | | | | | | | | | | | | | | | | | | | | |
| Studium | | | | **Bachelor** | | |  | | | | **Master** | |  | | | | | **Doktor** | | | | | **X** | |
| Studiengang | | | | PhD in Betriebswirtschaftslehre | | | | | | | | | | | | | | | | | | | | |
| Lehr- und Lernformen | | | | Präsenzvorlesung | | | | | | | | | | | | | | | | | | | | |
| Modultyp | | | | **Pflichtfach** | | | | |  | | | | **Wahlfach** | | | | | | | **X** | | | | |
| Lernziele | | | | Ziel dieses Kurses ist es, dass die Studierenden verschiedene multikriterielle Entscheidungsfindungsmethoden, die in der Literatur am häufigsten vorkommen, erlernen und anwenden können. | | | | | | | | | | | | | | | | | | | | |
| Lerninhalte | | | | Der Inhalt dieses Kurses besteht aus einer Einführung in die Entscheidungstheorie, den verschiedenen Gewichtungsmethoden, die in der multikriteriellen Entscheidungsfindung verwendet werden, und den häufig verwendeten multikriteriellen Entscheidungsfindungsmethoden. | | | | | | | | | | | | | | | | | | | | |
| Methoden und Verfahren | | | | Formale Erklärung vom Vortragenden und Analyse | | | | | | | | | | | | | | | | | | | | |
| Teilnahmevoraussetzungen | | | | Keine | | | | | | | | | | | | | | | | | | | | |
| Koordination | | | | Assoc. Prof. Dr. Mehmet Hakan ÖZDEMİR (stellvertretend) | | | | | | | | | | | | | | | | | | | | |
| Vortrgende(r) | | | | Assoc. Prof. Dr. Mehmet Hakan ÖZDEMİR (stellvertretend) | | | | | | | | | | | | | | | | | | | | |
| Mitwirkende(r) | | | |  | | | | | | | | | | | | | | | | | | | | |
| Praktikumsstatus | | | | Keine | | | | | | | | | | | | | | | | | | | | |
| Fachliteratur | | | | | | | | | | | | | | | | | | | | | | | | |
| Bücher / Skripte | | | | Tzeng, G. H., Huang, J.J., Multiple Attribute Decision Making Methods and Applications, CRC Press, 2011.  Alinezhad A., Khalili, J. New Methods and Applications in Multiple Attribute Decision Making (MADM), Springer, 2019.  Özbek, A., Çok Kriterli Karar Verme Yöntemleri ve Excel ile Problem Çözümü Kavram-Teori-Uygulama, Seçkin Yayıncılık, 2017. | | | | | | | | | | | | | | | | | | | | |
| Weitere Quellen | | | |  | | | | | | | | | | | | | | | | | | | | |
| Lernmaterialien | | | | | | | | | | | | | | | | | | | | | | | | |
| Dokumente | | | |  | | | | | | | | | | | | | | | | | | | | |
| Hausaufgaben | | | |  | | | | | | | | | | | | | | | | | | | | |
| Prüfungen | | | |  | | | | | | | | | | | | | | | | | | | | |
| Zusammensetzung des Moduls | | | | | | | | | | | | | | | | | | | | | | | | |
| Mathematik und Grundlagenwissenschaften | | | |  | | | | | | | | | | | | | 10% | | | | | | | |
| Ingenieurwesen | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Konstruktionsdesign | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Sozialwissenschaften | | | |  | | | | | | | | | | | | | 30% | | | | | | | |
| Erziehungswissenschaften | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Naturwissenschaften | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Gesundheitswissenschaften | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Fachkenntnis | | | |  | | | | | | | | | | | | | 60% | | | | | | | |
| Bewertungssystem | | | | | | | | | | | | | | | | | | | | | | | | |
| Aktivität | | | | **Anzahl** | | | | | | | | | | | | | **Gewichtung in Endnote (%)** | | | | | | | |
| Zwischenprüfungen | | | | 1 | | | | | | | | | | | | | 40% | | | | | | | |
| Quiz | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Hausaufgaben | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Anwesenheit | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Übung | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Projekte | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Abschlussprüfung | | | | 1 | | | | | | | | | | | | | 60% | | | | | | | |
| Summe | | | | | | | | | | | | | | | | | **100** | | | | | | | |
| ECTS Leistungspunkte und Arbeitsaufwand | | | | | | | | | | | | | | | | | | | | | | | | |
| Aktivität | | | | **Anzahl** | | | | | | **Dauer** | | | | | | | **Gesamtaufwand (Stunden)** | | | | | | | |
| Vorlesungszeit | | | | 14 | | | | | | 3 | | | | | | | 42 | | | | | | | |
| Selbsstudium | | | | 14 | | | | | | 13 | | | | | | | 182 | | | | | | | |
| Hausaufgaben | | | |  | | | | | |  | | | | | | |  | | | | | | | |
| Präsentation / Seminarvorbereitung | | | |  | | | | | |  | | | | | | |  | | | | | | | |
| Zwischenprüfungen | | | | 1 | | | | | | 1 | | | | | | | 1 | | | | | | | |
| Übung | | | |  | | | | | |  | | | | | | |  | | | | | | | |
| Labor | | | |  | | | | | |  | | | | | | |  | | | | | | | |
| Projekte | | | |  | | | | | |  | | | | | | |  | | | | | | | |
| Abschlussprüfung | | | | 1 | | | | | | 1 | | | | | | | 1 | | | | | | | |
| Summe Arbeitsaufwand | | | | | | | | | | | | | | | | | **226** | | | | | | | |
| ECTS Punkte (Gesamtaufwand / Stunden) | | | | | | | | | | | | | | | | | **7.5** | | | | | | | |
| Lernergebnisse | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | In der Lage zu sein, die Schritte der am häufigsten verwendeten Entscheidungsfindungsmethoden zu verstehen | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | In der Lage zu sein, diese Methoden anzuwenden | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | In der Lage zu sein, eine Grundlage zum Verständnis der in aktuellen Artikeln verwendeten Methoden zu schaffen | | | | | | | | | | | | | | | | | | | | | | |
| Wöchentliche Themenverteilung | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | Einführung in die Entscheidungstheorie | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | Allgemeine Informationen zu multikriteriellen Entscheidungsfindungsmethoden und deren Klassifizierung, Überblick über verschiedene Methoden zur Berechnung der Kriteriengewichte | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | Analytischer Hierarchieprozess | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | Analytischer Netzwerkprozess | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | VIKOR | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | TOPSIS | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | ELECTRE | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | Zwischenprüfung, PROMETHEE | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | MOORA und MULTIMOORA | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | ARAS, COPRAS | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | OCRA | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | Graue relationale Analyse | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | EATWIOS | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | Datenumhüllungsanalyse | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | Abschlussprüfung | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | | | | | | | | | | |
| Beitrag der Lernergebnisse zu den Lernzielen des Programms (1-5) | | | | | | | | | | | | | | | | | | | | | | | | |
|  | **P1** | | **P2** | **P3** | | **P4** | | **P5** | | | **P6** | **P7** | | | **P8** | | | **P9** | | | | **P10** | | **P11** |
| 1 | 5 | | 4 | 5 | | 5 | | 5 | | | 4 |  | | | 4 | | |  | | | | 5 | |  |
| 2 | 5 | | 4 | 5 | | 5 | | 5 | | | 4 |  | | | 4 | | |  | | | | 5 | |  |
| 3 | 5 | | 4 | 5 | | 5 | | 5 | | | 4 |  | | | 4 | | |  | | | | 5 | |  |
| Beitragsgrad: 1: Sehr Niedrig 2: Niedrig 3: Mittel 4: Hoch 5: Sehr Hoch | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | |
| Erstellt von: | | | | | Assoc. Prof. Dr. Mehmet Hakan Özdemir (Leiter des Fachbereichs Numerische Methoden) | | | | | | | | | | | | | | | | | | | |
| Datum der Aktualisierung: | | | | | 13.05.2024 | | | | | | | | | | | | | | | | | | | |