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Asu Students

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SDD First Document

# A picture of a train in a train station

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# Introduction

# System Decryption

Applied Science Private University - ASU (All Arabs University) is located in Shafaa Badran, inside Great Amman City Municipality, on an area of 356,000 M2. The University is a subsidiary of Arab International Company for Education and Investment.

ASU started its academic journey on 19/10/1991, after obtaining the license permit on 10/7/1989, when the number of enrolled students at the time was 553, as it started with three faculties: Art, Science and Economic, and it included 13 specialty (Major).

ASU obtained Quality Management System certificate **(ISO 9001:2000)** from “Lloyd's Register Quality Assurance" company since 2003 as the first university to procure such certificate in the Middle East. Moreover, upon the issuance of the new international specifications (standards) **(ISO 9001:2008)**, the university was granted the new specifications since 2010 after the university has fulfilled the requirement of this standards specifications. On 2018, **(ISO 9001:2008)** certificate was upgraded and the university was awarded **(ISO 9001:2015)** certificate as the last version of quality management system specifications

# System Components

## Compontents 1

Applied Science Private University - ASU (All Arabs University) is located in Shafaa Badran, inside Great Amman City Municipality, on an area of 356,000 M2. The University is a subsidiary of Arab International Company for Education and Investment.

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## Compontents 2

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# User Details

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Conclusion

Applied research is the practical application of [science](https://en.wikipedia.org/wiki/Science). It accesses and uses accumulated theories, knowledge, methods, and techniques, for a specific [state-](https://en.wikipedia.org/wiki/State_(polity)), [business-](https://en.wikipedia.org/wiki/Commerce), or [client-driven](https://en.wikipedia.org/wiki/Customer) purpose. In contrast to engineering, applied research does not include analyses or optimization of business, economics, and costs. Applied research can be better understood in any area when contrasting it with, basic, or pure, research. Basic geography research strives to create new theories and methods that aid in the explanation of the processes that shape the spatial structure of physical or human environments. Rather, applied research utilizes the already existing geographical theories and methods to comprehend and address particular empirical issues.

[[2]](https://en.wikipedia.org/wiki/Applied_science#cite_note-2)Applied research usually has specific commercial objectives related to products, procedures, or services.[[3]](https://en.wikipedia.org/wiki/Applied_science#cite_note-3) The comparison of pure research and applied research provides a basic framework and direction for businesses to follow.

Applied research deals with solving practical problems[[4]](https://en.wikipedia.org/wiki/Applied_science#cite_note-4) and generally employs [empirical](https://en.wikipedia.org/wiki/Empirical) methodologies. Because applied research resides in the messy real world, strict research protocols may need to be relaxed. For example, it may be impossible to use a [random sample](https://en.wikipedia.org/wiki/Random_sample). Thus, transparency in the [methodology](https://en.wikipedia.org/wiki/Methodology) is crucial. Implications for interpretation of results brought about by relaxing an otherwise strict canon of methodology should also be considered.[[5]](https://en.wikipedia.org/wiki/Applied_science#cite_note-5)

Moreover, this type of research method applies natural sciences to human conditions:[[6]](https://en.wikipedia.org/wiki/Applied_science#cite_note-6)

* Action Research: aids firms in identifying workable solutions to issues influencing them.
* Evaluation Research: researchers examine available data to assist clients in making wise judgements.
* Industrial Research: create new goods/services that will satisfy the demands of a target market. (Industrial development would be scaling up production of the new goods/services for mass consumption to satisfy the economic demand of the customers while maximizing the ratio of the good/service output rate to resource input rate, the ratio of good/service revenue to material & energy costs, and the good/service quality. Industrial development would be considered engineering. Industrial development would fall outside the scope of applied research.)

Since applied research has a provisional close-to-the-problem and close-to-the-data orientation, it may also use a more provisional [conceptual framework](https://en.wikipedia.org/wiki/Conceptual_framework) such as working hypotheses or pillar questions.[[7]](https://en.wikipedia.org/wiki/Applied_science#cite_note-7)[[8]](https://en.wikipedia.org/wiki/Applied_science#cite_note-8) The [OECD](https://en.wikipedia.org/wiki/OECD)'s [Frascati Manual](https://en.wikipedia.org/wiki/Frascati_Manual)[[9]](https://en.wikipedia.org/wiki/Applied_science#cite_note-9) describes applied research as one of the three forms of research, along with [basic research](https://en.wikipedia.org/wiki/Basic_research) & [experimental development](https://en.wikipedia.org/wiki/Research_and_development).[[10]](https://en.wikipedia.org/wiki/Applied_science#cite_note-10)

Due to its practical focus, applied research information will be found in the literature associated with individual disciplines.[[11]](https://en.wikipedia.org/wiki/Applied_science#cite_note-11)

Branches[[edit](https://en.wikipedia.org/w/index.php?title=Applied_science&action=edit&section=3)]

*For a topical guide, see*[*Outline of applied science § Branches of applied science*](https://en.wikipedia.org/wiki/Outline_of_applied_science#Branches_of_applied_science)*.*

Applied science works as a system that branches into other fields of work that go more in depth of the system. Applied research is a method of problem solving and also practical in areas of science such as its presence in applied psychology. Applied psychology uses human behavior to grab information to be able locate a main focus in an area that can contribute to finding a resolution.[[12]](https://en.wikipedia.org/wiki/Applied_science#cite_note-12) More specific, this study is applied in the area of criminal psychology. With the knowledge obtained of applied research, studies are conducted on criminals alongside their behavior to apprehend them.[[13]](https://en.wikipedia.org/wiki/Applied_science#cite_note-13) Moreover, the research extends to criminal investigations. Under this category, research methods demonstrate an understanding of the scientific method and social research designs used in criminological research. These reach more branches along the procedure towards the investigations, alongside laws, policy, and criminological theory.