Nile University

كلية تكنولوجيا المعلومات وعلوم الحاسب
برنامج الدراسات العليا لمرحلة الدكتوراه

PhD Program in
Information Technology and Computer Science

المحتويات

الرؤية والرسالة

رؤية الكلية

هي أن تكون كلية ذات مستوى عالمي، معترف بها كواحدة من أفضل المؤسسات التعليمية في المنطقة في مجال البحث والتعليم وريادة الأعمال.

رسالة الكلية

تتمثل مهمة الكلية في المساهمة في تطوير اقتصاد المعرفة المعتمد على تكنولوجيا المعلومات في مصر والمنطقة من خلال تقديم التعليم والبحث العلمي في أعلى مستويات التميز.

وحتى تقوم الكلية بإنجاز رسالتها، أنشأت الكلية روابط قوية مع الصناعة والحكومة والمنظمات غير الحكومية لتعزيز بناء القدرات في المجتمعات المحلية والإقليمية.

تقوم الكلية باستمرار بتنفيذ ما يلي:
- توظيف أعضاء هيئة التدريس والعاملين ذوي المستوى العالي من الجودة المهنية، وتطوير إمكاناتهم.
- جذب الطلاب المؤهلين تأهيلا عاليا ودعمهم وتحفيزهم.
- خلق بيئة تعليمية وبنية اساسية مادية داعمة للتعلم والبحث العلمي.
- تعزيز ثقافة البحوث الإبداعية والتفكير النقدي.
- إنشاء قنوات اتصال تسمح للمغتربين من أعضاء هيئة التدريس ورجال الصناعة بالمساهمة الايجابية في مصر والمنطقة.
- تشجيع التعاون مع الجامعات ومعاهد البحوث المحلية والدولية.
- تطوير الملكية الفكرية واحتضان المشاريع الواعدة.

تاريخ جامعة النيل

يعود تاريخ تطوير جامعة النيل إلى عام 1999، عندما تبنت مجموعة من قادة المجتمع مسئولية إنشاء جامعة رائدة غير هادفة للربح، تكرس جهودها للنهوض بالتعليم العالي والأبحاث التطبيقية في قطاعات مختارة ذات أهمية استراتيجية للاقتصاد المصري والإقليمي.

وحيث تعاني مصر والمنطقة من عجز متزايد في الموظفين ذوى المؤهلات العلمية الرفيعة والقادرين فنياً وتقنياً على فهم احتياجات الصناعة في السوق العالمية المتغيرة ديناميكيا، في ضوء النمو المتواصل لقطاع تكنولوجيا المعلومات في العالم وجذب العقول والخبرات من الدول النامية. فإن تعزيز الموارد التكنولوجية الوطنية، ولا سيما في التخصصات العلمية ذات المهارات العالية، يعد أمراً بالغ الأهمية لتحقيق هدف الدولة المتمثل في النمو الاقتصادي المستدام. وتعتبر مشاركة المجتمع الدولي للبحث والتطوير خطوة مهمة في هذا الاتجاه.

وقد تأسست الكلية لخدمة هدفين رئيسين هما (1) بناء القدرات في القطاعات المستهدفة، (2) تنفيذ أبحاث تطبيقية رائدة بالتعاون مع مجتمع تكنولوجيا المعلومات والاتصالات والقطاعات الصناعية الهامة الأخرى في مصر. ومن أجل هذا الغرض، تقوم الكلية بالربط بين الأوساط الأكاديمية والحكومية وصناعة تكنولوجيا المعلومات، وذلك في ضوء فلسفة واستراتيجية جامعة النيل بهذا الشأن. وقد حصلت الجامعة على موافقات الإنشاء وبدء الدراسة من مجلس الجامعات الخاصة بموجب القانون رقم 101 لعام 1996. حيث صدر القرار الجمهوري بإنشاء الجامعة في يوليو 2006، يليه حفل الافتتاح الرسمي في 11 يناير 2007، والذي مثل المراحل النهائية في إطلاق أنشطة جامعة النيل. وفي 14 أبريل 2014، تم تغيير توصيف جامعة النيل من جامعة خاصة الى جامعة أهلية عبر القرار الجمهوري رقم 123 لعام 2014.

الحرم الجامعي

يقع حرم جامعة النيل على محور 26 يوليو، مدينة الشيخ زايد، على بعد 20 دقيقة من وسط القاهرة. وقد تم تصميمه بطريقة توفر بيئة علمية ملائمة تدعم "البحث العلمي" بالجامعة. ويوفر تصميم الحرم الجامعي الذي تبلغ مساحته 127 فدانًا مرافق خدمية كاملة للطلاب ولأعضاء هيئة التدريس، فضلاً عن التكنولوجيا الجديدة الناشئة.

هيئة التدريس

لا يقتصر التزام أعضاء هيئة التدريس بالكلية على واجبات التدريس والاستشارات وخدمة المجتمع وحسب، بل يضطلعون أيضًا بمجموعة واسعة من الأنشطة البحثية مع التركيز بشكل رئيسي على الإشراف على رسائل الماجستير والدكتوراه وتدريب طلاب الدراسات العليا. وإدراكًا للأهمية القصوى لأعضاء هيئة التدريس في الجامعة في إنجاح مهمة الجامعة وتحقيق أهدافها، تقوم الكلية بإجراءات تهدف لجذب المصريين الذين يتعلمون حاليا في الخارج، وكذلك الذين انهوا دراستهم بالخارج وأصبحوا خبراء وعلماء في الدول الأجنبية، بالإضافة إلى الأساتذة الدوليين الراغبين في الانضمام لأسرة جامعة النيل. وتظهر السير الذاتية لأعضاء هيئة التدريس بالكلية في نهاية هذه الوثيقة.

سياسة القبول بشهادة الدكتوراه

متطلبات القبول

درجة دكتوراه الفلسفة هي درجة علمية ذات طبيعة خاصة. تهدف إلى إثراء مخرجات البحث العلمي في الكلية من خلال تعزيز المعرفة والمهارات الخاصة بمرشحي الدكتوراه الذين يعملون كمساعدي تدريس ومساعدي أبحاث أو الممارسين المتميزين في مجالات تكنولوجيا المعلومات أو علوم الكمبيوتر أو التخصصات ذات الصلة. وتعمل الدراسة على تحسين فرص توظيف خريجي الدكتوراه ومكانتهم في كل من الأوساط الأكاديمية ودوائر البحث والتطوير في الصناعة. وتؤثر المهارات المكتسبة مباشرة على تميزهم في سوق العمل.

ويجب على جميع الطلاب الراغبين في تسجيل مقررات الدراسات العليا في الكلية أن يقوموا بالتقدم بطلب إلى مكتب القبول في الجامعة، حيث يجب إرسال جميع متطلبات القبول مباشرة إلى مكتب القبول، بما في ذلك إيصال رسوم تقديم الطلب.

يجب على الطلاب المتقدمين للحصول على درجة الدكتوراه أن يكونوا حاصلين على درجة ماجستير العلوم في الحاسبات والمعلوماتية، أو ماجستير العلوم في أحد المجالات الهندسية ذات الصلة، أو ماجستير العلوم في الحاسبات والمعلومات من كليات العلوم. ويجوز قبول الحاصلين على مؤهلات أخرى في تخصص ذو صلة بالحاسبات والمعلومات مع تحميلهم بمواد تكميلية لتعادل متطلبات درجة ماجستير العلوم في الحاسبات والمعلومات.

ويتم اتخاذ جميع القرارات المتعلقة بالقبول في البرنامج من قبل لجنة القبول، حيث يتم ذلك على أساس السجلات الأكاديمية للطالب وأحد امتحانات اتقان اللغة الانجليزية مثل **TOEFL / IELTS** وخطابات التوصية من الأكاديميين، والخطاب المقدم من الطالب والذي يوضح به الهدف الشخصي من الدراسة والدوافع الشخصية لها. ويكون مطلوباً من الطالب أن يحصل على الأقل على 61 درجة في امتحان إجادة اللغة الإنجليزية **TOEFL** على الإنترنت (**iBT**) أو ما يعادلها، وذلك في حال عدم حصول الطالب على شهاداته السابقة من كلية يتم فيها التدريس باللغة الإنجليزية.

ستقوم للجنة القبول الأكاديمية بجامعة النيل بمراجعة جميع الطلبات المقدمة لها، ويتم ذلك بناء على تقييم شامل لملف كل طالب، وخبرته في العمل، وإمكانياته في الاستمرار في متابعة الدراسات العليا. ويجب على المتقدمين اجتياز (أ) المقابلة الشخصية (ب)الامتحانات الأكاديمية، وقد توجد حاجة لحصول الطالب على بعض المقررات الدراسية التي قد تكون مطلوبة من قبل البرنامج والتي يعتمدها مجلس الكلية. وعليه، فقد يقوم المتقدم لدراسة الدكتوراه، بناء على طلب لجنة القبول، ورهنا بموافقة العميد ومدير البرنامج، بتلبية بعض الشروط المسبقة قبل الحصول على الموافقة على طلب دراسة برنامج الدكتوراه.

بناء على ما سبق، يجب أن يشتمل ملف الطالب على:

- استمارة تقديم الطلب مكتملة وتشتمل على البيانات الشخصية لمقدم الطلب.
- بيان درجات ومحتوي علمي لجميع المقررات التي حصل عليها مقدم الطلب على مستوى الدراسة الجامعية معتمدة من قبل الجهة المانحة، بما في ذلك جميع الدرجات الجامعية والدراسات العليا التي سبق الحصول عليها في حالة اكتمالها أو عدم اكتمالها.
- تقرير النتيجة الرسمية لامتحانات القبول المناسبة.
    - يجب على المتقدمين الذين لم يكملوا دراساتهم بكليات يتم فيها التدريس باللغة الإنجليزية، أن يؤدوا اختبار اللغة الإنجليزية كلغة أجنبية (**TOEFL**) أو ما يعادلها. وتعد نتائج هذه الاختبارات صالحة لمدة عامين.

- يحق لمدير البرنامج أن يطلب من الطالب الالتحاق بمقررات في التفكير النقدي وطرق البحث والإحصاء.
- يجب على المتقدمين تقديم خطاب يوضح أهدافهم من الالتحاق بالبرنامج.

- يتعين على المتقدمين للبرنامج تقديم مستندات عن خبرتهم المهنية ذات الصلة.
- أربع صور حديثة.
- صورة من بطاقة الرقم القومي أو جواز السفر.
- رسوم تقديم الطلب كما هو معلن من قبل الإدارة المالية للجامعة.
- ثلاثة خطابات توصية وسيرة ذاتية حديثة.

تقبل لجنة القبول بجامعة النيل الطلاب المستوفين لجميع الشروط، وفي حالة غياب شرط ما، يحق للجنة القبول أن توافق على الطلاب المتميزين بناءً على التقييم الشامل لملف الطالب، وجدارته، وخبرته في العمل، وإمكانياته في الاستمرار في متابعة الدراسات العليا.
يتولى مكتب القبول مسؤولية إبلاغ المتقدمين بنتائج تقديم الطلبات. ويجب على المتقدمين للقبول في جامعة النيل الانتباه إلى أنه لن يتم النظر في طلب القبول إلا عند استكمال الأوراق والمستندات المطلوبة واكتمال ملف المتقدم.

فئات القبول

يتم قبول الطلاب في جامعة النيل تحت أي من الفئات التالية:

القبول الكامل: تمنح للطلاب الذين استوفوا جميع متطلبات القبول، ويسمى طالب لدرجة الدكتوراه.

القبول المؤقت: تمنح لمدة فصل دراسي واحد للطلاب الذين لم يستوفوا واحدة أو أكثر من متطلبات التقديم.

القبول غير المؤهل: توفر هذه الفئة فرصة للدراسة بالدراسات العليا للمهنيين المؤهلين الذين لا يرغبون في الحصول على درجة علمية متقدمة، ولكن يحتاجون مواصلة أخذ مقررات ما بعد التخرج لأسباب مهنية. يجب على الطلاب الذين يتقدمون بطلبات للحصول على هذه الدراسة تقديم جميع الطلبات الموضحة مسبقًا. ولا يسمح لهم بدراسة أكثر من اثنتي عشرة (12) ساعة معتمدة في هذه الحالة. ويجوز للطالب في هذه الفئة طلب تغيير الحالة إلى طالب لدرجة الدكتوراه. وينظر مدير البرنامج في قبول الساعات المعتمدة للمقررات التي تم دراستها قبل طلب تغيير الحالة.

مستمع: يمكن للمتقدمين الذين يرغبون في حضور بعض الفصول دون الحصول على أي ساعات معتمدة التقدم كمستمع. ويعتمد قبول هذه الفئة على توافر الأماكن الشاغرة. ولا يحق للطلاب المشاركة في الامتحانات، أو تقديم الأوراق البحثية والواجبات الدراسية، أو الحصول على ساعات معتمدة أو درجات علمية، أو الحصول على أي شهادة معتمدة من جامعة النيل.

إعادة القبول

قد يتم الموافقة على إعادة تقديم للطلاب في وضع أكاديمي جيد والذين لم يتم تسجيلهم بشكل مستمر في المحاضرات العادية. يجب على الطالب الاتصال بمدير البرنامج قبل شهر واحد من التسجيل، والتقدم بطلب لإعادة القبول. يجب

على المتقدمين شرح نشاطهم منذ ترك البرنامج، وأسباب الرغبة في اعادة الانضمام إليه. يقوم مدير البرنامج بالموافقة أو رفض إعادة القبول، استنادًا إلى المعلومات المقدمة وأداء الطالب في البرنامج قبل الانسحاب.
إذا تم الانتهاء من أعمال أو مقررات جامعية إضافية في مكان آخر منذ آخر التحاق بجامعة النيل، فيجب على الطالب تقديم شهادة بيان درجات.

استعادة الساعات المعتمدة

يجب الانتهاء من جميع أعمال الدراسات العليا التي تم اعتمادها وتحويلها من جامعات أخرى خلال أربع سنوات من وقت التسجيل بجامعة النيل. لا يتم السماح فقط بنقل المقررات الدراسات العليا التي يقل تقديرها عن **B** أو ما يعادلها إلى جامعة النيل.

التسجيل

عند القبول في جامعة النيل، يجب على الطلاب التسجيل في المقررات الدراسية التي تتعلق بتخصص دراستهم. ويجب العلم أن تسجيلهم في جامعة النيل لن يكتمل إلا بعد دفع الرسوم الدراسية للفصل الدراسي الأول.

المنح الدراسية

تتوفر المنح الدراسية للطلاب المتفوقين من ذوي الاستحقاق والجدارة. إذا كنت ترغب في الحصول على منحة دراسية، يرجى تحميل نموذج المنحة من موقع الجامعة الإلكتروني، والقيام باستيفاء بيانات النموذج وإعادة إرساله مرة أخرى إلى **admission@nu.edu.eg** مع الوثائق الأخرى المطلوبة. ستتم مناقشة تفاصيل المنح الدراسية خلال المقابلة الشخصية.

الدراسة الكاملة

يسمى الطالب الذي يقوم بتسجيل تسع ساعات دراسية أو أكثر في فصل دراسي عادي طالباً متفرغاً.

القوانين الأكاديمية لطلبة شهادة الدكتوراه

الساعات المعتمدة

يحكم نظام الساعات المعتمدة كلا من أعمال المقرر والدرجات الخاصة به ومتطلبات التخرج. وبشكل عام، تمثل الساعة المعتمدة في مقرر ما، ساعة دراسية في فصل دراسي وثلاث ساعات من الدراسة الفردية كل أسبوع، وذلك لمدة فصل دراسي واحد.

سياسة الحضور

يجب على الطالب حضور ما لا يقل عن 75% من الساعات الفصلية الدراسية في كل مقرر، والا قد يعرض نفسه للحرمان من دخول الامتحان النهائي للمقرر. ويعتبر حضور المحاضرات المنتظم والمشاركة فيها، وفي الأنشطة البحثية بشكل جاد عملاً مهنيًا بالإضافة الى كونه أكاديمي. وعلى هذا النحو، يُتوقع من الطلاب حضور المحاضرات والأنشطة المصاحبة لها بشكل منتظم ودوري. ويعتبر منطق هذه العملية هو ضمان المشاركة النشطة والمستمرة في المناقشات، لضمان الحصول على تجربة تعليمية غنية.

وإذا اضطر الطالب، لأي سبب، الى الغياب في أي حصة دراسية، يجب على الطالب إخطار أستاذ المقرر الدراسي، مع توجيه إشعار مسبق قدر الإمكان. وفي جميع الحالات، سيكون من مسؤولية الطالب تعويض ما فاته من الدراسة والأبحاث والعمل الأكاديمي. ولا يجوز للطالب بأي حال من الأحوال، اعتبار أن مقابلات العمل أو العمل الميداني لأي مقرر دراسي، سبباً كافياً للغياب عن جدوله الدراسي لمقرر آخر. ويستثني من ذلك الظروف الشخصية الاستثنائية بشكل مطلق. ويؤخذ الغياب، حتى المبرر منه، في الاعتبار في عملية تقدير الدرجات التي يقوم بها أستاذ المقرر الدراسي.

ويعتبر الطالب الذي يتخلف عن حضور 20% من الساعات الفصلية الدراسية في كل مقرر مقصرا تقصيرا بالغا، ويعرض نفسه للحصول على درجة "**C**" استنادًا إلى تقييم بقية عناصر المقرر الأخرى. ويحق لأستاذ المقرر الدراسي اتخاذ القرارات بشأن حالات الغياب والتأخير، حيث أنه أفضل حكم لكل حالة. وفي حالة وجود حالات متعارضة أو استثنائية يجب الرجوع إلى مدير البرنامج.

يعتبر عدم الامتثال لهذه السياسات بمثابة سوء سلوك قد يؤدي إلى الفصل أو أي إجراء آخر، حسبما يراه استاذ المقرر الدراسي ومدير البرنامج.

تقييم الطالب في المقررات الدراسية

يعتمد تقييم الطلاب في المقررات الدراسية على المعايير التالية:

- الامتحانات والواجبات الدراسية
- أداء الطالب في الفصل الدراسي
- الحضور / المشاركة
- دراسات الحالة
- المشاريع / العروض التقديمية
- المعايير الأخرى التي يراها أستاذ المقرر مهمة

الامتحانات

تعتبر الامتحانات جزء لا يتجزأ من أي برنامج دراسي ويتم إجراؤها وفقًا للمعايير التالية:
• يجب على الطلاب اجتياز الامتحانات المطلوبة للنجاح بالمقرر.
• لا يجوز للطلاب التواصل أو التعاون مع بعضهم البعض بأي شكل من الأشكال أثناء إجراء الامتحانات الكتابية المغلقة، أو في عمل الواجبات، ما لم يتم الاعلان صراحة على أنها مهام جماعية.
• يمكن استخدام الكتب أو المذكرات عند اختبار الكتاب المفتوح بترخيص محدد من أستاذ المقرر، وفي الحدود التي يضعها الأستاذ.

وضع الدرجات

تستخدم جامعة النيل نظام الساعات المعتمدة لمناهجها واعتمدت نظام الدرجات التالي للدراسات العليا:

الدرجة بالحروف	قيمة الدرجة النقطية	الوصف
A+	**4.0**	امتياز
A	**4.0**	امتياز
A-	**3.7**	امتياز
B+	**3.3**	جيد جدا
B	**3.0**	جيد
B-	**2.7**	مقبول
C+	**2.3**	مقبول
C	**2.0**	مقبول
F	**0.0**	راسب

- مهمة تقدير الدرجات هي مسؤولية أستاذ المقرر الدراسي. استنادًا إلى نظام التقدير المذكور بالجدول، ويتم حساب متوسط درجة التقدير لكل طالب.
- يتم احتساب نقاط كل مقرر دراسي بضرب قيمة درجة المقرر التي حصل عليها الطالب **X** عدد الساعات المعتمدة للمقرر.
- يتم تحديد متوسط نقاط الدرجات خلال فترة محددة بقسمة مجموع نقاط الجودة المكتسبة خلال هذه الفترة على عدد الساعات المعتمدة المكتملة في نفس الفترة.
- المعدل التراكمي هو مجموع النقاط لجميع المقررات الدراسية مقسومًا على العدد الإجمالي لساعات الدرجات المعتمدة لهذه المقررات.

هناك بعض الدرجات التي ستظهر في بيان درجات الطالب ولكن لن يتم إضافتها الى المعدل التراكمي هي:

I	غير مكتمل	لم يستكمل الطالب متطلبات المقرر الدراسي وتم الموافقة له بفترة سماح لإكمالها بعد نهاية الفصل الدراسي.
W	انسحاب	انسحب الطالب مبكرا قبل أن يتمكن الدكتور من تقييم أدائه.
WP	انسحاب -مقبول	استنادًا إلى تقييم الدكتور، كان عمل الطالب مرضٍ حتى وقت الانسحاب.
WF	انسحاب – راسب	استنادًا إلى تقييم الدكتور، كان عمل الطالب غير مرضٍ حتى وقت الانسحاب.
S	مرض	يعمل الطالب بصورة مرضية نحو الانتهاء من الرسالة العلمية
US	غير مرض	لا يعمل الطالب بصورة مرضية نحو الانتهاء من الرسالة العلمية
P	مقبول	يتم منح هذا التقدير لمقرر دراسي نجاح / رسوب
AU	مراقب	تمنح هذه الدرجة للطالب (مراقب) كدليل على حضور المقرر الدراسي

عملية التقييم الأكاديمي

مدير البرنامج مسؤول عن ضمان التطبيق المتسق لمعايير البرنامج. يقوم مدير البرنامج بتقييم الحالات الفردية للطلاب الذين لا يستوفون الحد الأدنى من المتطلبات الأكاديمية.
في حالات الأداء الأكاديمي غير المرضي - أي عندما يقل المعدل التراكمي للطالب عن 2.7، يجوز لمدير البرنامج أن يطلب من الطالب المعني إجراء امتحان عام في نهاية أول فصلين دراسيين لاختبار مدى كفاءته في الموضوعات

التي درسها خلال السنة بشكل شامل. ويتم تحديد موعد الامتحان بعد نهاية أول فصلين دراسيين. ويعتمد استمرار الطالب في البرنامج على النتائج التي يحصل عليها الطالب في هذا الاختبار.

متطلبات التخرج

ليكون الطالب مؤهلاً للتخرج، يجب عليه إكمال جميع الساعات المعتمدة المطلوبة للتخرج في جامعة النيل وجمع معدل تراكمي 2.7 أو أعلى في فترة خمس سنوات. يمكن لمجلس الكلية منح تمديد لمدة سنة واحدة بناء على طلب من المشرف و / أو مدير البرنامج. في نهاية العام الأكاديمي الأول، تقوم لجنة مكونة من مدير البرنامج وأعضاء مختارين من هيئة التدريس بتقييم المعدل التراكمي لكل طالب، ويتم مناقشة الطالب في أي تحفظات تتعلق بأدائه وسير العمل المطلوب منه لإنجاز البرنامج بنجاح. يتم توثيق هذه العملية وتضمينها في الملف الأكاديمي للطالب. ويتم وضع الطالب الذي يقل معدله عن 2.7 عادة تحت المراقبة. ويتم إعطاؤه مهلة لفصل دراسي واحد لتصحيح هذا الفرق. وإذا ظل المعدل التراكمي للطالب أقل من 2.7 في نهاية فترة الاختبار، يتعرض لإنهاء تسجيله في البرنامج.

معادلة الساعات المعتمدة

يتم معادلة الساعات المعتمدة للخريجين من مؤسسة تعليمية أخرى، في حال كون تلك الساعات المعتمدة جزءً من دراسة على مستوى الدكتوراه، ولا يتم التحويل الا بعد أن يكمل الطالب عددا مماثلاً للساعات المعتمدة في جامعة النيل، ويتم اعتماد الموافقة على التحويل من قبل مجلس الكلية. ويخضع فحص الساعات المعتمدة المحولة لنفس قواعد الجدية مثل جميع الساعات المعتمدة الأخرى التي يتم حسابها للحصول على الدرجة العلمية في جامعة النيل. ويجوز نقل ما يصل إلى 6 ساعات معتمدة من مؤسسة تعليمية معتمدة أخرى وبما لا يتعارض مع متطلبات برنامج الدكتوراه بالجامعة.
ويشترط أن يحتوي الملف الخاص بالطالب في مكتب الدراسات العليا على بيان درجات للمقررات المراد تحويلها. ولا يمكن تحويل الساعات المعتمدة التي تم احتسابها في درجة علمية أخرى.

الإجازة الدراسية

يمكن للطلاب الحصول على إجازة دراسية لإجراء أعمال علمية فيما يتعلق بدرجته العلمية. قد يشمل هذا العمل، على سبيل المثال وليس الحصر، أخذ مقررات دراسية في مؤسسة أجنبية أو تدريب داخلي أو برنامج تبادل أو زائر. يجب أن تتم الموافقة على جميع هذه العطلات من قبل مدير البرنامج تليها موافقة العميد. يمكن تحويل الساعات المعتمدة المكتسبة خلال العطلة الدراسية على الفور ولا يتطلب ساعات معتمدة منجزة في جامعة النيل قبل تحويل الساعات المعتمدة.

عطلة غياب

يفترض أن خلال عطلة الغياب لم يتم تنفيذ أي عمل علمي فيما يتعلق بالدرجة العلمية من قبل الطالب. يمكن الحصول على العطلة عن طريق تقديم التماس إلى مدير البرنامج تليها موافقة العميد.

إذا تغيب الطالب لمدة تزيد عن عام واحد - فصلين دراسيين عاديين وفصل دراسي صيفي واحد - يتم اعتبار الطالب بعد ذلك منسحبا من الجامعة. إذا كان يرغب في استكمال الدراسة بعد ذلك يجب عليه إعادة تقديم طلب لإعادة التسجيل من جديد.

سياسة غير المكتمل

قد يسمح للطالب الذي يقدم دليلا أن لديه أسباب قوية لعدم استكمال مقرر دراسي معين بتقديم التماس للحصول على درجة "غير مكتمل" باستخدام النماذج المناسبة التي يجب أن تتم الموافقة عليها من قبل أستاذ المقرر الدراسي ومدير البرنامج. في هذه الحالة، يتم منح الطالب درجة "**I**".
يجب على الطالب التنسيق مع أستاذ المقرر الدراسي ومدير البرنامج لإكمال العمل المعلق قبل نهاية الفصل الدراسي التالي. في حالة إخفاق الطالب في إتمام العمل المطلوب، سيتم منحه تلقائيًا التقدير المخصص للعمل الذي تم إرساله بالفعل.
يجب أن يستوفي الطالب نموذج التماس عدم إكمال المقرر "نموذج غير مكتمل" المتوفر في مكتب التسجيل، حيث يجب أن يحتوي النموذج بعد استيفاؤه على المعلومات التالية:

- سبب طلب عدم اكتمال المقرر.
- المقررات غير المكتملة والمهام المطلوبة لإكمال المقررات.
- الدرجة المؤقتة على العمل المقدم بالفعل.
- الموعد النهائي لتقديم العمل غير المكتمل، والذي يجب ألا يتجاوز نهاية الفصل الدراسي التالي.

الانسحاب الاختياري من المقرر الدراسي

يجب على الطلاب الذين يرغبون في الانسحاب اختياريا من المقررات الدراسية خلال الفصل الدراسي الحصول على الموافقات من أستاذ المقرر الدراسي ومدير البرنامج. إذا قام الطالب بالانسحاب من مقرر/مقررات قبل الموعد النهائي للانسحاب دون عقوبة أكاديمية، وهو 15٪ من ساعات الاتصال الخاصة بالمقرر الدراسي، يحصل على درجة "**W**" في هذه المقرر. إذا تقدم الطالب للانسحاب من مقرر/مقررات بعد الموعد النهائي المذكور أعلاه، فإنه يحصل على درجات "**WP**" أو "**WF**" في كل مقرر دراسي ينسحب منها، اعتمادًا على أدائه في هذا المقرر الدراسي. لا يمكن للطالب الانسحاب من مقرر دراسي بعد مرور 80٪ من ساعات الاتصال بالمقرر الدراسي.

الانسحاب لعذر طبي

يمكن الموافقة على الانسحاب الطبي للأعذار النفسية و / أو البدنية التي تتداخل مع قدرة الطالب على المشاركة في الحياة داخل الحرم الجامعي. وهذا يشمل قدرتهم على إكمال أو إحراز تقدم نحو دراستهم أو تطوير الرسالة العلمية. يجب تقديم المستندات الطبية المناسبة وخطاب الدعم من القسم الذي يسعى الطالب من أجله للانسحاب لعذر طبي إلى مكتب عميد الكلية. لا يقصد بالانسحاب الطبي كوسيلة لحماية الطالب من التقدم غير المرضي أو أي مخالفات أكاديمية أخرى. يحتاج الطالب في هذه الحالة إلى تحديد موعد مع عميد الكلية لمناقشة خطته الدراسية.

اجازة الوضع ورعاية الطفل

تتبع جامعة النيل القواعد واللوائح التي تحددها السلطات والتشريعات الوطنية فيما يتعلق بإجازة الوضع ورعاية الطفل

الاستدعاء للخدمة العسكرية

تتبع جامعة النيل القواعد واللوائح التي تحددها السلطات والتشريعات الوطنية فيما يتعلق بالاستدعاء الخدمة العسكرية

سياسة إعادة دراسة المقرر الدراسي

باستثناء حالات عدم الأمانة الأكاديمية، تسمح هذه السياسة للطالب الذي حصل على تقدير أقل من "**B-**" في مقرر دراسي لإعادة دراسة نفس المقرر الدراسي أو مقرر بديل. في هذه الحالة سيتم احتساب آخر درجة حصل عليها في المقرر المعاد او المقرر البديل في المعدل التراكمي للطالب. الدرجة التي تم الحصول عليها خلال المرة الأولى التي يتسلم فيها الطالب الدرجة ستظهر في بيان درجاته، ولكن لن يتم احتسابها ضمن المعدل التراكمي للطالب. بموجب هذه السياسة، يمكن للطلاب تكرار ما يصل إلى 6 ساعات معتمدة من العمل الدراسي. ووفقًا لهذه السياسة، يُسمح للطالب باسترجاع المقرر نفسه أو مقرر بديل بناءً على موافقة مدير البرنامج.

الانسحاب الطوعي من البرنامج

يجب على الطلاب الذين يرغبون في الانسحاب طوعا من البرنامج خلال الفصل الدراسي الحصول على الموافقات من مدير البرنامج.
يجب على الطلاب الذين انسحبوا من أحد البرامج ويرغبون في التقدم بطلب لإعادة القبول أن يفعلوا ذلك وفقًا لسياسة إعادة قبول جامعة النيل. يرجى الرجوع إلى قسم إعادة القبول.

إعادة قبول الطلاب ذوي الصعوبات الأكاديمية

يمكن للطلاب الذين تم فصلهم من البرنامج بسبب الصعوبات الأكاديمية التقدم بطلب لإعادة القبول إذا كانوا قد أكملوا جميع مقررات أول فصلين دراسيين بمعدل تراكمي 2.7 أو أعلى. لا يمكن إعادة قبول الطلاب قبل انقضاء عام واحد على الفصل، ولا بعد مرور أربع سنوات على هذا التاريخ.
يجب أن يتضمن طلب إعادة القبول في البرنامج وصفًا للأنشطة المهنية التي تم تنفيذها منذ الانسحاب. يجب على الطلاب أيضًا تقديم أسباب مقنعة عن وجوب إعادة قبولهم في البرنامج. ثم يقرر مجلس الكلية بشأن طلبات إعادة القبول بناءً على توصية مدير البرنامج. يخضع إعادة القبول لشروط قد تشمل اختبار إعادة القبول.

سياسة النزاهة الأكاديمية

جامعة النيل، وأعضاء هيئة التدريس والموظفين والطلاب تقدر وتلتزم بمفاهيم النزاهة الأكاديمية وأعلى مستوى من السلوك الأكاديمي والمهني. ومن أجل سعيهم للحصول على المعرفة، يجب على المجتمع الجامعي الحفاظ على مستويات عالية من النزاهة والسلوك الأخلاقي في جميع ممارساتها بما في ذلك التعليم والتعلم والبحث والخدمة.

خيانة الأمانة في السعي وراء المعرفة غير مقبولة وتشمل على سبيل المثال لا الحصر:
• تقديم وثائق غير أمينة، أمثلة: سرقة تقارير، سرقة حالات عملية، الغش في الامتحانات أو الواجبات، تقديم نفس العمل عدة مرات من أجل الحصول على درجات، اختلاق البيانات أو الوثائق.
• الحصول على أو محاولة الحصول على افضلية غير عادلة، أمثلة: التمكن من الحصول على امتحانات، سرقة أو تدمير مكتبة أو مقررات بحثية، تعاون غير مصرح به في الواجبات، الاحتفاظ غير المصرح به أو تداول الامتحانات السابقة، التدخل في عمل الطلاب الآخرين.
• الوصول غير المصرح به إلى السجلات، أمثلة: عرض أو التلاعب بسجلات أو برامج أو أنظمة كمبيوتر سرية، والإفراج عن المعلومات غير المصرح بها.
• المساعدة والتحريض: توفير المقررات أو المعلومات أو غيرها من المساعدات التي تنتهك معايير النزاهة الأكاديمية
• التهديد أو التأثير أو التشجيع على الضرر الجسدي أو المهني أو المالي لأعضاء هيئة التدريس أو الموظفين أو المدير أو الطلبة.

تحتفظ الجامعة بالحق في اتخاذ إجراء تأديبي ضد الطرف (الأطراف) المعتدي(المعتدية) وفقا للمبادئ / الإجراءات المبينة أدناه. يتمتع أستاذ المقرر بسلطة كاملة للتعامل مع حادث خيانة أكاديمي في سياق المقرر الدراسي. الإجراءات التأديبية، في هذه الحالة، قد تمتد من نطاق التوبيخ إلى "**F**" للصف الدراسي. قد يوصي أستاذ المقرر أيضًا بالتعليق أو الفصل من الجامعة.

يجب إبلاغ كل من الطالب / الطلاب المعنيين ومدير البرنامج والعميد بالإجراءات المتخذة من قبل أستاذ المقرر بحالات خيانة الامانة الأكاديمية؛ في غضون أسبوعين من الوقت الذي أصبح فيه أستاذ المقرر على علم بالحادث. سيتلقى جميع الطلاب المشاركين في خيانة الأمانة الأكاديمية رسالة تحذير رسمية من العميد، ويحتفظ بنسخة منها في ملف الطلاب في الكلية وكذلك في مكتب شئون الطلاب و / أو المكتب المسئول عن مراقبة النزاهة الأكاديمية.

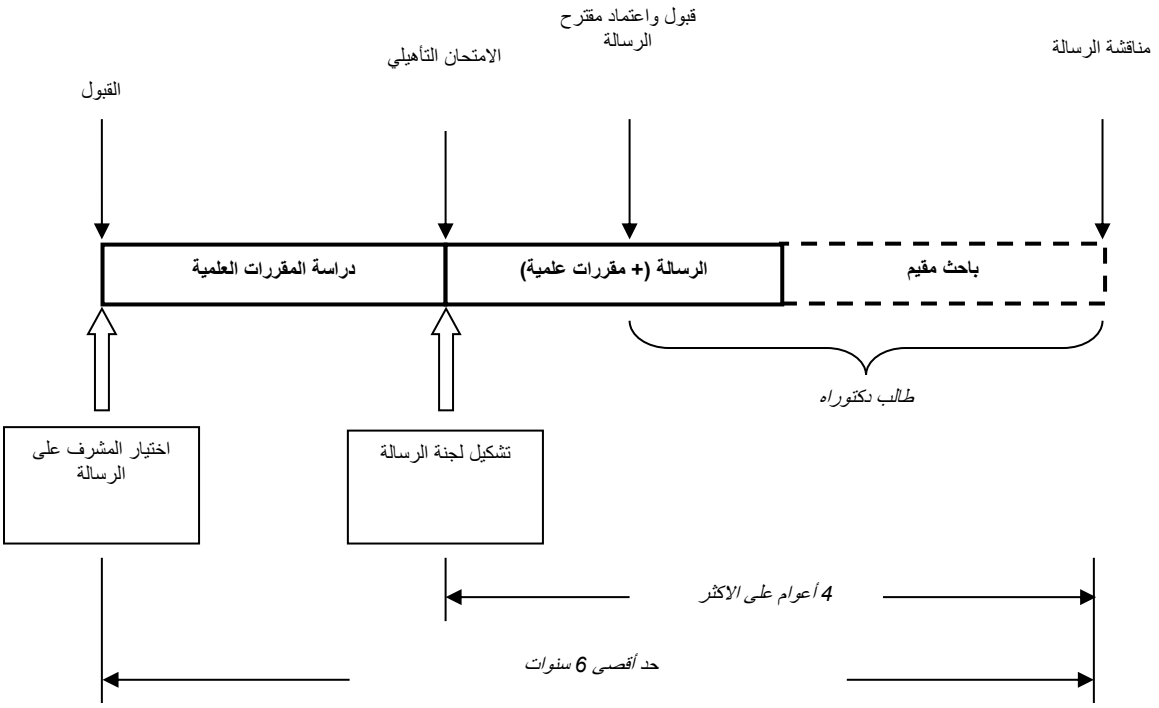
في حالة الإبلاغ عن خيانة الأمانة الأكاديمية مع توصية من أستاذ المقرر الدراسي بالتعليق أو الفصل، يشكل العميد لجنة نزاهة أكاديمية مخصصة للتحقيق في البلاغ. وتجتمع اللجنة على الفور للتحقيق في الحالة وتقديم توصية إلى العميد الذي يرسل توصياته مع توصيات اللجنة إلى نائب رئيس الجامعة المختص بالشئون الأكاديمية الذي يتخذ الإجراء اللازم والقرار النهائي بشأن الحالة.
بمجرد أن تمنح لجنة النزاهة الأكاديمية جلسة استماع للطالب وتقدم توصياتها، لا يجوز تقديم استئناف آخر ما لم يتم تقديم أدلة جديدة جوهرية إلى العميد، والذي بدوره سيقوم بتقييم الأدلة وإعادة فتح الحالة إذا اعتبرت ضرورية.

بيان الدرجات

يمنح الخريج أو الطالب/ الطالبة الذي قام بسحب الملف وهو في وضع أكاديمي "جيد" أو أعلى نسخة واحدة مجانية من سجله الأكاديمي في جامعة النيل.

لجنة الدراسات العليا

تتكون لجنة الدراسات العليا من رئيس وأعضاء من هيئة التدريس يمثلون المسارات البحثية الرئيسية في الكلية. يتم تعيين لجنة الدراسات العليا من قبل عميد الكلية لمدة سنة واحدة يتم بعدها تعيين لجنة جديدة. وتشمل واجبات اللجنة قبول الطلاب في البرنامج بناء على توصيات أعضاء هيئة التدريس، والإشراف على التقدم الأكاديمي للطلاب بما يتوافق مع متطلبات درجة الدكتوراه، والموافقة على الاستثناءات المقدمة من الطلاب والموقع عليها من قبل المشرف الأكاديمي، وطلب تحويل الساعات المعتمدة عند الحاجة، والترتيب والإشراف على إدارة اختبارات التأهيل، وتعيين مساعدي التدريس والزمالات والمنح لطلبة الدراسات العليا، وطلب اعتماد الدرجة النهائية من مجلس الكلية.



متطلبات التخرج لبرنامج الدكتوراه

من أجل التخرج، يجب على الطالب أن يكمل درجة الدكتوراه في جامعة النيل بما لا يقل عن 48 ساعة معتمدة تتكون من 12 ساعة معتمدة على الأقل من مقررات برنامج الدكتوراه في التخصص المطلوب، وما لا يقل عن 36 ساعة معتمدة من الرسالة العلمية التي تحتوي على إضافات علمية أصيلة، والتي يجب مناقشتها بنجاح، ويمكن للجنة الدراسات العليا أن تطلب من الطالب أن يأخذ أكثر من **12** ساعة معتمدة لتعويض أي نقص في خلفية الطالب. ويمكن تحديد أوجه القصور هذه عند القبول أو التوصية من قبل المشرف من خلال دراسة الطالب أو طلبها من قبل لجنة الرسالة العلمية.

المشرف على الدكتوراه

عادة يتم تعيين المشرف عند قبول الطالب رسميا في برنامج الدكتوراه. قد يعين مشرف ثان أو أكثر في البحوث متعددة الاختصاصات بناء على طلب المشرف الرئيسي ويعتمد الطلب من مجلس الكلية. يكون المشرف مسئولاً عن تخطيط مسار الدراسة للطالب، ويقدم النصيحة في اختيار مقررات الدراسات العليا المطلوبة في التخصص بالإضافة إلى أي مقررات خارجية للتخصص قد تكون مطلوبة للبحث متعدد التخصص، ويشرف عن كثب على تقدم الطالب نحو استكمال الرسالة العلمية.
يجب أن تشتمل المقررات الدراسية على عدد من المقررات التأسيسية والمتخصصة في مجال الدراسة الاساسي، والرياضيات، ومنهجيات البحث، ومقررات دراسية خارجة عن التخصص للبحث متعدد التخصصات، و / أو أي خيار آخر من المقررات التي يراها المشرف مناسبة.

الاختبار التأهيلي

يتم إجراء اختبار تأهيلي لكل مرشح لدرجة الدكتوراه خلال الفصول الأربعة الأولى من الدراسة وفي الوقت الذي يعتبره كل من الطالب والمشرف مناسبًا. يجوز لمجلس الكلية أن يقرر ضرورة خضوع طلبة الدكتوراه لاختبار شفوي أو كتابي، بالإضافة إلى تحديد شكل الاختبار. يمنح الطالب الذي يرسب في الاختبار فرصة واحدة لإعادته في غضون عام واحد بعد الحصول على اذن المشرف وموافقة لجنة الدراسات العليا. لابد من انقضاء ثلاثة أشهر قبل أن يسمح للطالب بإعادة الاختبار.

لجنة الرسالة العلمية

عندما يجتاز الطالب الامتحان التأهيلي، يتم تشكيل لجنة للرسالة العلمية لتقديم النصح للطلاب حول بحث الرسالة. يتم ترشيح لجنة الرسالة العلمية من قبل مدير البرنامج ويتم اعتمادها وتعيينها من قبل مجلس الكلية. يجب أن تتكون اللجنة من عدد لا يقل عن ثلاثة أعضاء بدرجة أستاذ أو أستاذ مساعد أحدهما المشرف، وعلي أن يكون رئيس اللجنة وعلى الاقل عضو واحد من اللجنة من أعضاء الكلية. وتقوم اللجنة قبل مناقشة الطالب بفترة كافية باقتراح اسم أحد الأساتذة كمحكم خارجي في لجنة الحكم والمناقشة، ويشترط كونه من غير أعضاء هيئة التدريس بجامعة النيل. ويجب أن تتم الموافقة على هذا المحكم الخارجي من قبل مجلس الكلية، ويرأس لجنة الحكم والمناقشة أقدم الأعضاء في درجة الأستاذية.

واجبات لجنة الرسالة هي:

- مراجعة واعتماد الرسالة العلمية للدكتوراه المقدمة من الطالب، والذي يتم عادة في غضون فصلين دراسيين بعد اجتياز الطالب للامتحان التأهيلي. كجزء من عملية مراجعة الرسالة واعتمادها، تقوم اللجنة بمناقشة الرسالة العلمية المقترحة من الطالب بعد تقديمه عرضا شفويا عن البحث المقترح. قد تطلب لجنة الرسالة من الطالب إدخال بعض التغييرات على المقترح. إذا كان التغيرات المطلوبة رئيسية، قد يُطلب من الطالب إعادة تقديم مقترح الرسالة في إطار زمني تحدده لجنة الرسالة. قد تطلب اللجنة أيضًا من الطالب أن يأخذ مقررات إضافية محددة تتعلق بمجالات البحث المقترح أو لتعزيز خلفية الطالب.
- قراءة مسودة الرسالة والتعليق عليها.

- عند اكتمال الرسالة، تقوم اللجنة بالاجتماع لإجراء الاختبار الشفوي النهائي والتأكد من أن الرسالة هي مساهمة مقبولة في المعرفة، وأنها مكتوبة بلغة انجليزية واضحة وصحيحة، وأنها قدمت في شكل الرسالة المعتمد بالجامعة.

لجنة الحكم والمناقشة

- تتكون لجنة الحكم والمناقشة من ثلاثة أعضاء بحد أدنى بدرجة أستاذ، أحدهم على الأقل من خارج الجامعة، وأحدهم المشرف (ممثلا لهيئة الأشراف، ويجوز إضافة المشرفين الآخرين، من داخل الجامعة أو خارجها، على أن تحتسب أصوات كافة المشرفين بصوت واحد). ويكون رئيس اللجنة هو أقدم أعضائها في درجة الأستاذية. ويستند قرار اللجنة على أغلبية التصويت. وفي حالة تقسيم الأصوات، يتم استشارة محكم خارجي إضافي ويطلب منه تقديم مبرر لتوصيته. ويتخذ مجلس الكلية القرار النهائي بناءً على توصية المحكم الخارجي.
- يتم كتابة نتيجة المناقشة النهائية في شكل تقرير يبرز نتائج الامتحان موقعاً من قبل جميع أعضاء اللجنة، ويتم عرضه على العميد.

الباحث المقيم

بمجرد أن يقوم الطالب بالانتهاء من جميع المقررات الدراسية والبحثية المعتمدة المطلوبة، يجوز له / لها أن يسجل كباحث مقيم.
إذا اختار الطالب عدم التسجيل، فعليه إثبات قدرته على مواصلة البحث بشكل مستقل. ويمكن إثبات ذلك من خلال النشر، خلال العام الدراسي، على الأقل ورقة بحثية واحدة في مجلة علمية/اكاديمية معروفة وذات سمعة جيدة، مفهرسة في شبكة **ISI** للمعرفة، أو **Scopus**، أو **Clarivate**، أو ما شابه ذلك. ويمكن لمجلس الكلية قبول مؤتمرات المستوى الأول بدلا من تلك المجلات بناء على طلب من المشرف، وموافقة مجلس الكلية.
يجب على الطالب ان يكون مسجلا بالجامعة بانتظام في الفصل الدراسي عند تسجيل مناقشة الرسالة العلمية وعند التخرج. يراعى خلال الدراسة واعداد الرسالة وعند التخرج أن تتبع بصرامة متطلبات التخرج لبرنامج الدكتوراه كما هو موضح سابقا، ويحق فقط لمجلس الكلية تعديل هذه المتطلبات إن تطلب الامر.
يحق بوجه عام للطالب "الباحث المقيم" التسجيل في أي من المقررات الدراسية التي تتوفر عادة للطلاب الخريجين حتى وان لم يتطلبها برنامجه الدراسي.
لا يمكن تغيير متطلبات "**الإقامة**" إلا من قبل مجلس الكلية.

قبول الترشح

عند استيفاء الطالب لجميع متطلبات المقرر الدراسي للحصول على الدرجة، واجتياز الامتحانات التأهيلية وتلقى الموافقة على اقتراح الرسالة العلمية للدكتوراه، يتم الموافقة على قبول الترشيح للدرجة. يجب قبول ترشح الطالب قبل 18 شهرًا على الأقل من الموعد المحدد لمناقشة الرسالة.

الرسالة

يجب أن يستغرق الطالب ما لا يقل عن 36 ساعة من البحث في الرسالة ما لم ينص على خلاف ذلك. لا يمكن تسجيل أكثر من 6 ساعات من البحث في فصل دراسي عادي أي فصل الخريف او فصل الربيع، ولا يمكن تسجيل أكثر من 3 ساعات في الفصل الدراسي الصيفي أو الشتوي.
لا يتم منح أي ساعات معتمدة للبحث حتى يتم اكتماله مناقشته بنجاح. عند هذه المرحلة يتم إعطاء درجة **"P"** (ناجح) لجميع ساعات الرسالة المسجلة المعتمدة. حتى ذلك الحين، يتم إعطاء درجة **"S"** (مرضي) أو **"US"** (غير مرضي) لساعات الرسالة المسجلة المعتمدة لكل فصل دراسي، اعتمادًا على أداء الطالب، ويتم تحديد الدرجة من قبل المشرف.
يُنصح الطالب المرشح بتوفير نسخة مطبوعة نهائية من الرسالة والأبحاث المشتقة منها لكل عضو من أعضاء لجنته في وقت معقول قبل مناقشة الرسالة.
يتم تقييم الرسالة من ناحية جودة المصادر المعتمدة عليها والوضوح ومدى المساهمة في المعرفة والعلوم. ومن المتوقع أن تسهم رسائل الدكتوراه في خلق المعرفة وتطوير النظريات والممارسات في مجال البحث العلمي المعنية به الرسالة. ويساهم أداء الطلاب أثناء إعداد رسائلهم وأثناء جلسات مناقشة الرسائل بشكل كبير في التقييم.
يتم تسليم خمس نسخ ورقية من الرسالة في شكل معتمد ونسخة واحدة على قرص مضغوط وتسع نسخ من ملخص الرسالة. لا يزيد عدد كلمات الملخص عن 350 كلمة. ويتم تسليم ذلك كله إلى مكتب التسجيل للدراسات العليا مصحوبا بشهادة أعضاء لجنة التحكيم على رسالة الدكتوراه. من واجب الطالب الحصول على نسخة من الإرشادات التوجيهية لإعداد الرسالة والتوافق مع المتطلبات الواردة فيها.
لا يمنح الطالب الدرجة الموصى بها فقط عن طريق تلبية جميع المتطلبات. فقط لجنة الرسالة هى المنوط بها منح الطالب درجة الدكتوراه على أن يعتمدها مجلس الكلية.

الاختبار النهائي / مناقشة الرسالة

يقوم الطالب بمناقشة شفوية وعلنية نهائية لرسالته البحثية. ولا يجوز لأحد غير أعضاء لجنة الرسالة اختبار المرشح. مناقشة الرسالة هو اختبار نجاح أو رسوب، ولا يتم إعطاء تقدير للرسالة. عند اجتياز المناقشة العلنية النهائية، يجب على الطالب التقدم للحصول على شهادة التخرج من مكتب التسجيل ودفع رسوم التخرج. ويجب أن تتم المناقشة النهائية قبل شهر واحد على الأقل من حفل التخرج.

المهلة الزمنية

يجب إكمال متطلبات الدرجة في غضون ست سنوات من وقت القبول، وخلال أربع سنوات من اجتياز الامتحان التأهيلي.

اللغة الرسمية

في حال وجود أي اختلاف لتفسير النص الوارد بهذه اللائحة باللغتين العربية والانجليزية ، يعتد بالنص الوارد باللغة العربية، ويتم تفسير اللائحة طبقا له.

VISION & MISSION

VISION STATEMENT

The vision of the School is to be a world-class school, recognized as one of the top in the region in research, education and entrepreneurship.

MISSION STATEMENT

The mission of the school is to contribute to the development of the information technology-driven economies in the region through the pursuit of education and research at the highest levels of excellence.

To accomplish its mission, the School has established strong linkages with the industry, government and NGOs to enhance capacity building in the local and regional communities.

The School continuously:

- recruits, develops and retains high quality faculty and staff.
- attracts, supports and retains highly qualified and motivated students.
- creates an educational environment and physical facilities conducive to learning and research.
- promotes a culture of creative research and critical thinking.
- creates the conduit through which expatriates can contribute to Egypt and the region.
- encourages collaboration with local and international universities and research institutes.
- embraces intellectual property development and incubates promising ventures.

HISTORY

The development of Nile University (NU) dates back to 1999, when a group of community leaders foresaw the need to establish a leading edge non-profit university dedicated to the advancement of higher education and applied research in selected sectors of strategic importance to the economy.

Egypt suffers from a growing shortage of technically capable and well-qualified personnel, who are educated and trained to understand the needs of industry in a dynamically changing global marketplace. Enhancing the nation's technological resources, particularly in high skilled areas, is critical to the country's goal of sustainable economic growth. The engagement of the international R&D community is an important step in this direction.

This school was established to serve the dual purpose of capacity building in targeted sectors, and of leading applied research in collaboration with the ICT community and other critical industrial sectors in Egypt. To that effect, it is important to link academia, industry, and government. Nile University was conceived with this philosophy in mind. The University obtained approvals for operations from the Higher Council of Private Universities under law No. 101 of 1996. The presidential decree for establishing the University was issued in July 2006, followed by official inauguration ceremony on January 11th, 2007, which marks the final stages in launching NU activities. On April 14, 2014, Nile University's status changed from a private University to an Ahlya University via Presidential Decree No 123 of 2014.

CAMPUS

Nile University's campus is located at 26th of July Corridor, Sheikh Zayed City, 20 minutes away from the center of Cairo. It is designed in such a way as to provide the most appropriate scientific environment that supports a "research" university. The 127- acre campus provides complete service facilities for students and faculty, as well as new technology start-ups.

SCHOOL FACULTY

School faculty do not only have teaching, consulting and community service duties, but also a wide range of research activities with a prime focus on supervision and training of graduate students. Recognizing the paramount value of its faculty members to the successful delivery of its mission, the school aims at attracting Egyptians who are now being educated overseas, or who have become professionals and scientists in foreign countries following their education, in addition to international professors willing to make a commitment to Nile University. Faculty biographies are shown at the end of this document.

PH.D. ADMISSION POLICY

ADMISSION REQUIREMENTS

The Philosophy Doctorate's degree is of a special nature. It is aimed to enrich the research output of the School by enhancing the knowledge and skills of PhD candidates who are working as senior teaching assistants, senior research assistants or distinguished practitioners in the fields of Information Technology, Computer Science or related disciplines. The study will improve the PhD graduates' employability and status in both academia and research and development departments of industry. The skills they acquire will have a direct impact on their position in the market.

All students wishing to take graduate courses at the School must submit an application to the Admissions Office. All required materials for admissions, including the application's fee receipt, should be sent directly to the NU Admissions Office.

Generally, students admitted to this PhD program are required to hold an M.Sc. Degree in Computer Science, Informatics, or a related engineering discipline. It is allowed to accept students who have Master of Science degree from other disciplines. In this case, these students will be obliged to take additional Master level courses to make these students scientific background equivalent to the background of Master of Science graduates from Informatics and Computer Science Sector. Decisions on admission to the program are made by the Admissions Committee based on the student's academic records, TOEFL/IELTS, recommendation letters and the student's statement of purpose. A TOEFL score of 61 internet-based (iBT) or equivalent is required from applicants who did not receive their prior degrees from an English-speaking institution. The Academic Committee of Nile University will admit a student based on the overall evaluation of the student file, work experience, and his/her potential for successfully pursuing postgraduate studies.

Applicants must undergo (a) personal interview(s), academic exams, and/or take remedial courses that may be required by the Program and approved by the Dean of the School.
Applicants may be requested by the Admissions Committee, subject to the approval of the Dean and Program Director, to satisfy certain pre-requisites before obtaining regular admission status.

Specifically, the application file should include:

- The completed application form including the applicant's personal statement.
- Official degrees and transcripts of all university-level work certified by the granting institution including all degrees (both undergraduate and graduate) previously earned or not completed.
- The official score report of the appropriate entrance examinations
    - Applicants who did not complete their tertiary studies at an institution where English is the medium of instruction must take the Test of English as a Foreign Language (TOEFL) or equivalent. Recent test scores are considered valid for two

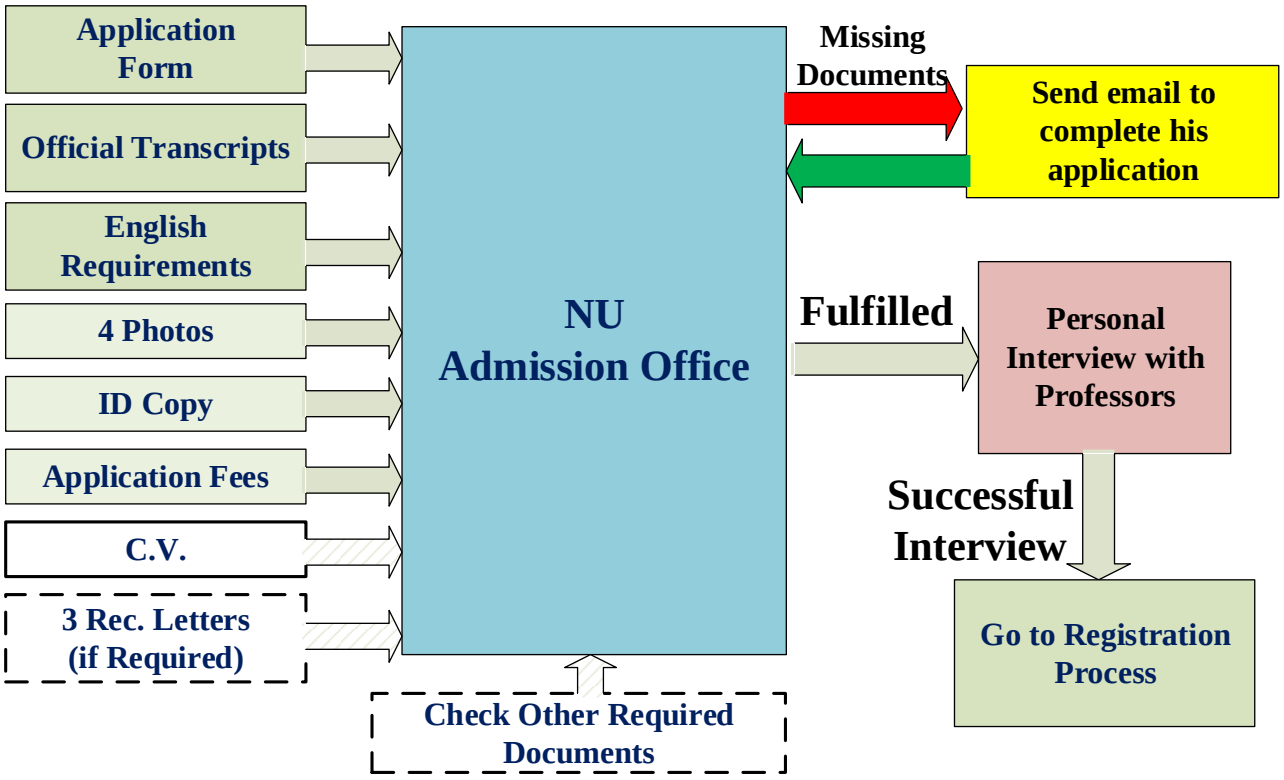
years.

- The Program Director has the right to request the student to take courses in Critical Thinking, Research Methods and Statistics.
- Applicants have to submit a statement of purpose outlining their objectives joining the program.

- Applicants to the Program have to submit documentary evidence of their relevant professional experience.
- Four recent passport-size photographs.
- Photocopy of official ID or passport.
- Application fee as announced by the Financial Department of the University
- Three recommendation letters and recent Curriculum Vitae.

The Admissions Committee of Nile University may admit a student who does not satisfy all requirements, based on the overall evaluation of the student file, special merit, work experience, and his/her potential for successfully pursuing postgraduate studies.

The Admissions Office is responsible of informing each applicant of the results of his/her application. Applicants for admissions to NU should note that an application will only be considered when all required documents are included in the application file and the applicant's file is complete.



CATEGORIES OF ADMISSION

Students are admitted to NU under any one of the following categories:

Full Admission: Granted to students who have met all admission requirements.

Provisional Admission: Granted for one semester only, to students who have not fully satisfied one or more of the application requirements.

Non-Degree Admission: This category provides an opportunity for graduate study for qualified professionals who do not wish to work towards an advanced degree, but who for professional reasons needs to continue to take graduate courses. Students who are applying under the non-degree status must submit all admission requirements outlined earlier. No more than twelve (12) credit hours may be taken while in this status.

A non-degree student may apply for a change of status to a degree student. The Program Director will consider accepting credit for courses taken under the non-degree status.

Auditors: Applicants who would like to attend certain classes without earning any credit may apply as auditors. This category of admission is dependent on space availability. Students are not eligible to sit for examinations, submit papers and assignments, earn academic credit and grade, or receive any enrollment certification from Nile University.

RE-ADMISSION

Re-admission may be granted to students in good academic standing who have not been continuously enrolled in regular sessions. Students must contact the Program Director one month in advance of registration, and apply for re-admission. The applicants must explain their activities since leaving the program, and the reasons for wanting to rejoin it. The director will then decide whether or not re-admission is granted, based on the information submitted and the students' performance in the program before withdrawal.

If additional college work has been completed elsewhere since the last enrollment at Nile University, an official transcript will be required.

RECENCY OF CREDIT

All graduate work to be transferred for credit from other institutions must be completed within four years of the time of admission to Nile University. Only graduate courses with a grade of B or equivalent can be transferred to NU.

REGISTRATION

Upon admission to Nile University, students must register for the courses that pertain to their program of study. However, their enrolment at NU would only be completed after payment of their tuition for the first semester.

SCHOLARSHIPS

Scholarships are available for outstanding students, awarded by merit. If you would like to be considered for a scholarship, please download the scholarship form as explained above, fill in and send back to admission@nu.edu.eg with the other required documents as explained above.

Scholarship details will be discussed during the personal interview should you indicate your interest.

FULL-TIME STUDY

Full-time students are graduate students taking nine or more graduate credits in a regular semester.

ACADEMIC REGULATIONS FOR PH.D. STUDENTS

CREDIT HOURS

Coursework, grading and graduation requirements are all functions of the credit hour. In general, a credit hour represents a one-hour class period and three hours of individual study each week for one semester.

ATTENDANCE POLICY

Students must attend at least 75% of the class hours in each course. Otherwise, this student may be subject to be prevented from attending the final exam. Class sessions and group meetings are considered not only academic but also professional activities. As such, students are expected to attend group meetings and classes, regularly and punctually. The logic of this process is to ensure the active and continued engagement in discussions, and a rich learning experience.

If a class must be missed, for whatever reason, the student should notify the instructor, giving as much advance notice as possible. In all cases, it will be the student's responsibility to make up for work missed. Under no circumstances will job interviews, fieldwork for any course, or personal circumstances that are not absolutely exceptional, be accepted as sufficient grounds for absence. Absences, even when justified, may be taken into account in the grading process at the discretion of the instructors.

A student has to fulfill 80% attendance level at each course otherwise it may lead to grade "C" based on the other course's components. The course instructor is free to take the decision about the absent or late cases, as s/he is the best judge for each single case. Communication with the Program Director is mandatory in case of any conflicting or exceptional cases.

Failure to comply with these policies is considered serious misconduct leading to potential dismissal or other action, as deemed appropriate by the instructor and the Program Director.

STUDENT EVALUATION IN COURSES

Student evaluation in courses will be based on the following criteria:

- Exams and assignments
- Classroom performance
- Attendance / Participation
- Cases
- Projects / Presentations

- Other criteria that the instructor deems important for the course

EXAMINATIONS

Examinations are an integral part of any program and are conducted according to the following standards:

- Students must pass examinations required for the successful completion of a course.
- Students may not communicate or collaborate with each other in any way during closed book written examinations and when working on assignments, unless these are explicitly stated as group assignments.
- Books or notes may be used when taking an open-book examination with the specific authorization of the instructor, and then only, within the limits set by the instructor.

GRADING

Nile University uses the credit hour system for its curriculum and has adopted the following grading system for its graduate studies:

Letter Grade	Grade Point Value	Description
A+	4.0	Excellent
A	4.0	Excellent
A-	3.7	Excellent
B+	3.3	Very Good
B	3.0	Good
B-	2.7	Conditionally Pass
C+	2.3	Conditionally Pass
C	2.0	Conditionally Pass
F	0.0	Fail

Assignment of grades is the responsibility of the course instructor. Based on the above grading system, a grade point average is calculated for each student.

- The Quality Points per course is calculated by multiplying the Grade Point Value obtained in the course by the course's credit hours.

- The Grade Point Average during a specific period is determined by dividing the summation of Quality Points earned during this period by the number of credit hours completed in the same period.

Cumulative GPA is the summation of Quality Points of all courses divided by the total number of course credit hours completed.

Grades that will show on the student's transcript but are not included in calculating the GPA are:

I	Incomplete	The student has not completed the course requirements and was allowed a grace period to complete it beyond the end of the semester.
W	Withdrew	Student withdraws early enough before the instructor can evaluate his/her performance.
WP	Withdrew Pass	Based on the instructor's evaluation, the student's work was satisfactory up till the time of withdrawal.
WF	Withdrew Fail	Based on the instructor's evaluation, the student's work was unsatisfactory up till the time of withdrawal.
S	Satisfactory	The student is working satisfactorily towards the completion of his/her thesis/dissertation.
US	Unsatisfactory	The student is not working satisfactorily towards the completion of his/her thesis/dissertation.
P	Pass	This grade is granted for a Pass/Fail course
AU	Auditor	This grade is granted for auditors as a proof for course attendance.

ACADEMIC EVALUATION PROCESS

The Program Director is responsible for ensuring the consistent application of the program's standards and criteria. He/she will evaluate the individual cases of students who do not meet the minimum academic requirements.

In cases of unsatisfactory academic performance where a student's GPA falls below 2.7, the Program Director may ask the student in question to take a general examination at the end of the first year to test his/her proficiency in the subjects covered during the year. The examination date is given at the end of the academic year. Continuation in the program will depend on the student's performance in this test.

GRADUATION REQUIREMENTS

To be eligible for graduation, students must complete all the credit hours required for graduation at NU and accumulate a GPA of 2.7 or higher in a five year period. An extension of one year may be granted by the School Council upon a request from the supervisor and/or the Program Director. At the end of the first academic year, a committee composed of the Program Director

and selected faculty evaluates each individual's GPA, and will discuss with the student any concerns regarding his/her performance and the course of action required by the student for successful completion of the program. This process will be documented and included in the participant's academic file. Typically, a student whose GPA falls below 2.7 is put on probation and is given one semester to correct this discrepancy. If the student's GPA continues to be lower than 2.7 at the end of the probationary period, s/he will be subject to dismissal from the program. Upon completing the Ph.D. requirements, students must apply for graduation at the Registrar's Office and pay graduation fees.

TRANSFER OF CREDIT

Transfer of graduate credit from another institution will be made only for courses that constitutes a part of studying PhD in another institution. This transfer will not be made until the student has completed a like amount of credit at Nile University, and the transfer has been approved by the School Council. Credit transferred is subject to the same recency rules as all other credit counted towards the degree, and is also subject to examination by Nile University. Up to 6 credit hours may be transferred from another accredited institution towards the degree requirements. An official transcript of work to be transferred must be on file in the Graduate Office. Credits that pertain to, or have been counted towards another degree, cannot be transferred.

STUDY LEAVE

Students may take a study leave to conduct scholarly work in connection with their degree. Such work may include, but is not limited to, taking courses in a foreign institution, an internship, or an exchange or visitor program. All such leaves must be approved by the Program Director followed by the approval of the Dean. Credit earned for courses taken during a study leave can be transferred immediately and does not require a like amount of credit to be completed at Nile University before credit transfer.

LEAVE OF ABSENCE

Leave of absence assumes that no scholarly work in connection with the degree is being carried on by the student. Leave may be obtained by petition to the Program Director followed by the approval of the Dean.

If a student is absent for longer than one-year - two regular academic semesters and one summer academic semester - the student is then considered withdrawn from NU. If s/he wishes to continue after that s/he must re-apply for the whole new process.

INCOMPLETE POLICY

Students who prove they have strong reasons for not completing a certain course maybe allowed to petition for an incomplete grade using appropriate forms which must be approved by the course instructor and Program Director. In this case, students are granted a grade of "I".

Students must arrange with the instructor and the Program Director to complete the pending work before the end of the following semester. In case the student fails to complete the required work, s/he will be automatically granted the grade assigned for the work already submitted.

The "Incomplete Form" is available at the registrar's office, and should incorporate the following information:

- Reason for requesting to incomplete the course.
- Pending materials and assignments required for course completion.
- Tentative grade on the work already submitted.
- Deadline for submission of incomplete work, which must not be later than the end of the following semester.

VOLUNTARY WITHDRAWAL FROM A COURSE

Students who wish to voluntarily withdraw from courses during the semester must get approvals from their instructors and the Program Director. If a student applies for withdrawal from a course(s) before the deadline for withdrawal without academic penalty, which is 15% of the course's contact hours, s/he gets a grade of "W" in that course(s). If the student applies for withdrawal from a course(s) after the above-mentioned deadline, s/he gets grades of "WP" or "WF" in each course s/he withdrew from, depending on his/her performance in that course. A student cannot withdraw from a course after 80% of the course's contact hours.

MEDICAL WITHDRAWAL

A medical withdrawal may be granted for psychological and/or physical conditions that interfere with a student's ability to participate in campus life. This includes their ability to complete or make progress towards their study or thesis development. The appropriate medical documentation and a letter of support from the department from which the student is seeking a medical withdrawal must be applied to the Office of the School Dean. Medical withdrawal is not intended as a device to shield a student from unsatisfactory progress or any other academic irregularity. Students will need to make an appointment with the School Dean to discuss their plans.

MATERNITY LEAVE

Nile University follows the rules and regulations set forth by the national authorities with

respect to maternity and post maternity leave.

MILITARY RECALL

Nile University follows the rules and regulations set forth by the national authorities with respect to military recall.

COURSE RETAKE POLICY

Except in cases of academic dishonesty, this policy allows a student who has received a grade less than "B-" in a course to retake the same course or a substitute course. In this case, only the grade received when retaking the course will be counted towards the student's GPA. The grade received during the first time the student took the course will show on his/her transcript, but will not count towards the student's GPA. Under this policy, students could repeat up to a maximum of 6 credit hours of course work. According to this policy, the student is allowed to retake the same course or a substitute course upon the approval of the program director.

VOLUNTARY WITHDRAWAL FROM THE PROGRAM

Students who wish to voluntarily withdraw from the program during the semester must get approvals from the Program Director.

Students who have withdrawn from a program and wish to apply for re-admission must do so according to Nile University's re-admission policy. Please refer to the Re-admission section.

RE-ADMISSION OF STUDENTS WITH ACADEMIC DIFFICULTIES

Students who were dismissed from the Program because of academic difficulties may apply for re-admission if they had completed all the first-year courses with a GPA of 2.7 or higher. Students cannot be readmitted before one year has elapsed since their dismissal, nor after four years since that date.

The application for re-admission to the program must include a description of the professional activities performed since the withdrawal. Students must also make a compelling argument why they should be readmitted to the program. The School Council will then decide on the re-admission applications based on the recommendation of the Program Director. Re-admission will be subject to conditions that may include a re-admission examination.

ACADEMIC INTEGRITY POLICY

Nile University, its faculty, staff and students value and adhere to the concepts of academic integrity and the highest level of academic and professional conduct. In their quest for knowledge, the university community must uphold high levels of integrity and ethical conduct in all its pursuits including teaching, learning, research and service.

Dishonesty in the pursuit of knowledge is not acceptable and includes, but is not limited to:

- Dishonest submission of documents for grade, examples: Plagiarizing reports/cases; cheating on exams or assignments; multiple submissions of the same work for grades; fabrication of data or documents.
- Obtaining or attempting to obtain an unfair advantage, examples: Gaining access to exams; stealing or destroying library or research materials; unauthorized collaboration on assignments; unauthorized retention or circulation of previous exams; interfering with other students' work.
- Unauthorized access to records, examples: Viewing or interfering with confidential computer records or programs or systems, releasing unauthorized information gathered.
- Aiding and abetting: Providing material, information, or other assistance, which violates standards for academic integrity.
- Threatening, effecting or encouraging bodily, professional, or financial harm to faculty, staff, administrator or student.

The university reserves the right to take disciplinary action against the violating party(s) according to the principles/procedures shown below. An instructor has full authority to deal with an academic dishonesty incident within the context of his/her course. Disciplinary action, in this case, may cover the range from reprimand to "F" for the course grade. The instructor may also recommend suspension or dismissal from the university.

The instructor's action on incidents of academic dishonesty must be communicated to the student(s) involved; and to the Program Director and the Dean within two weeks of the time the instructor became aware of the incident. All students involved in academic dishonesty will receive an official letter of warning from the Dean, a copy of which will remain in the students' file in the School as well as in the Student Affairs Office and/or the office responsible for monitoring academic integrity.

When a case of academic dishonesty is reported with a recommendation for suspension or dismissal from the course instructor, the Dean will form an ad-hoc Academic Integrity Committee to investigate the case. The Committee will meet promptly to investigate the case and submit a recommendation to the Dean who will send his/her recommendation, together with the committee's, to the Provost, who will make the final decision on the case and take the necessary action.

Once the Academic Integrity Committee has given a hearing to the student and submitted its recommendations, no further appeal may be made unless substantial new evidence is presented to the Dean, who will evaluate the evidence and reopen the case, if deemed necessary.

TRANSCRIPTS

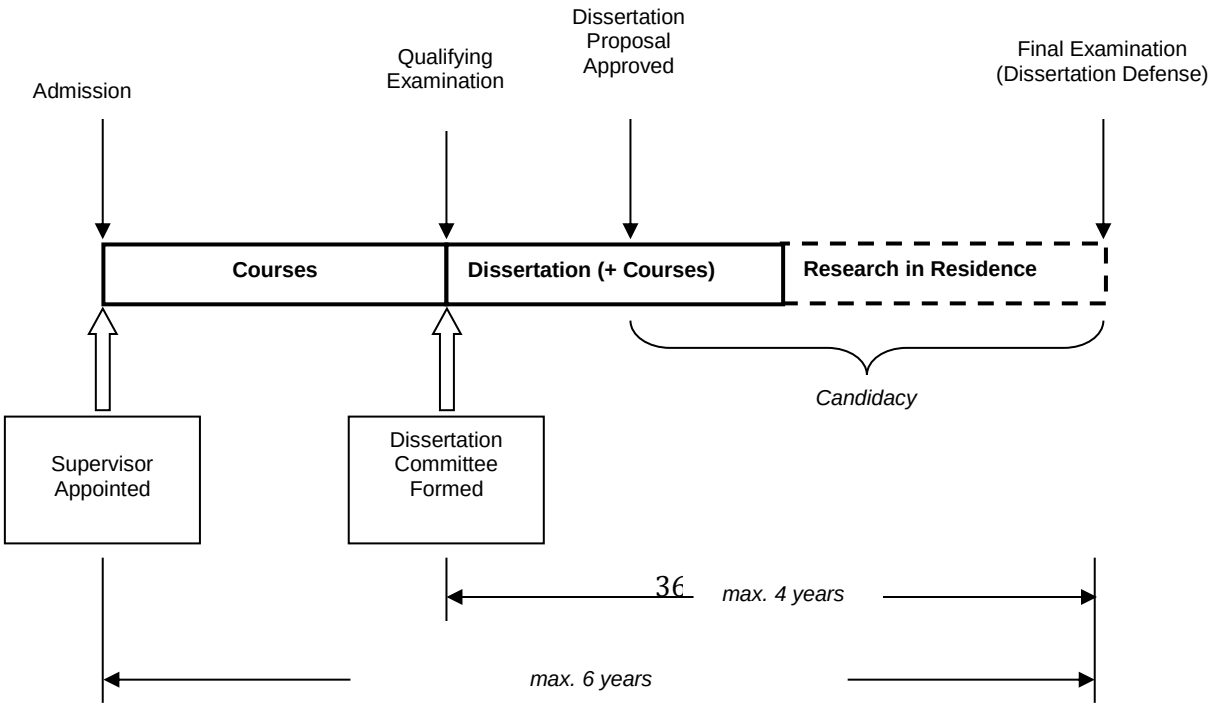
Graduating or withdrawing students in good standing are granted one free transcript of their academic record at NU.

GRADUATE COMMITTEE

The Graduate Committee is composed of a chairman and members from the faculty that represent the major research tracks in the School. The Graduate Committee is appointed by the Dean of the School for a duration of one year after which a new Committee is appointed.
Typical duties of the Committee include admitting students into the program based on faculty recommendations, overseeing student progress to meet the Ph.D. requirements, approving exceptions submitted by students and signed by advisors, requesting applicable transfer of credit where appropriate, arranging for and overseeing the administration of the qualifying examination, assigning teaching assistantships and fellowships to graduate students, and requesting the approval of the final degree from the School Council.

DOCTORAL GRADUATION REQUIREMENTS

To graduate, students pursuing a Ph.D. degree at NU must complete a minimum of 48 credit hours composed of a minimum of 12 credit hours of courses beyond a relevant Master's Degree, and a minimum of 36 credit hours of dissertation which must be successfully defended. The dissertation must have genuine scientific contributions. The Graduate Committee can require the student to take more than the minimum 12 credit hours of courses to make up for any deficiency in the student's background. Such deficiencies can be determined upon admission, recommended by the Supervisor through the course of the student's study, or requested by the Dissertation Committee.



PH.D. SUPERVISOR

The Ph.D. supervisor is usually appointed when a student is formally admitted to the doctoral program. In multi-disciplinary research, one or more co-supervisors may be requested by the supervisor and approved by the School Council. The supervisor is responsible for planning the course of study for the student, advises the student on the choice of graduate courses needed in the major as well as courses external to the specialization that may be needed for interdisciplinary work, and closely supervises the student's progress towards completing the dissertation.

Courses should include a number of foundational and specialized courses in the major field of study, mathematics, research methodologies, courses external to the major for interdisciplinary research, and/or any other choice of courses that the Supervisor deems appropriate.

QUALIFYING EXAMINATION

A qualifying examination is to be taken by each doctoral degree candidate at the time that the student and the Supervisor deem appropriate, within the first four semesters of study. The School Council may specify whether its students must take an oral examination or a written examination, as well as specify the examination format. A student who fails the examination will be given one opportunity to retake it within one year with the permission of the Supervisor and the approval of the Graduate Committee. At least three months should have elapsed before the student is permitted to retake the examination.

DISSERTATION COMMITTEE

When the student passes the qualifying exam, a Dissertation Committee is formed to advise the student on her/his dissertation research. The Dissertation Committee is nominated by the Program Director and is approved and appointed by the School Council. The committee should consist of no less than two members including the Ph.D. supervisor. The Chairman and at least one other committee members should be from the School. The committee may contain one member from outside the School. The Chairman must be a regular full-time member of the faculty. The Committee will propose an examiner that is external to Nile University prior to the defense. Such an external examiner must be approved by the School Council. The examining committee will be chaired by the most senior professor.

The duties of the Dissertation Committee are:

- To review and approve the student's dissertation proposal, which typically takes place within two semesters after the student has passed the qualifying examination. As part of this process, the Committee will discuss the dissertation proposal with the student after she/he has made an oral presentation on the proposed research. The Dissertation Committee may require the student to introduce some changes to the proposal. If major changes are required, the student may be asked to resubmit the proposal within a time frame determined by the Dissertation Committee. The committee may also require the

student to take specific additional courses related to the area(s) of proposed research or to strengthen the student's background.

- To read and comment upon the draft dissertation.
- To meet, when the dissertation is completed, to conduct the final oral examination and to satisfy itself that the dissertation is an acceptable contribution to knowledge, that it is written in lucid and correct English, and that it is submitted in approved form.

The result of the final defense is written in a report outlining the outcome of the examination, signed by all **examination committee members**, and presented to the Dean. The decision of the **examination committee** is based on a majority vote. Should the votes be split, an additional external examiner will be consulted and asked to provide a justification for his recommendation. The School Council will make the final decision based on the new external examiner's recommendation.

RESEARCH IN RESIDENCE

Once a student has completed all courses and required research credits, s/he may enroll in "Research in Residence" status.

If the student chooses not to enroll, s/he has to prove her/his capability to carry on research independently. This can be proved by publishing, within the academic year, at least one research paper in a reputable refereed academic/scientific journal that is indexed in ISI Web of Knowledge, Scopus, Thomson Reuters, or similar. The School Council can accept Tier-1 Conferences upon a request from the supervisor.

Students must regularly enroll in the university in the semester(s) when their thesis defense and their graduation take place. Time restrictions on obtaining degrees will be strictly enforced and can be waived only by the Dean of the School Council. "Research in Residence" students, while not required, may register in any courses that are normally available to graduate students.

Residence requirements may be altered only by the School Council.

ADMISSION TO CANDIDACY

When the student has met all course requirements for the degree, passed the qualifying examinations and received approval on his/her dissertation proposal, admission to candidacy for the degree is approved. The student must be admitted to candidacy at least 18 months before the defense of the dissertation is scheduled.

DISSERTATION

A student must take a minimum of 36 hours of dissertation research. Not more than 6 hours of research may be taken in a regular semester, not more than 3 hours in a summer session.

No credit is given for research until the dissertation is completed and successfully defended. At

this point a grade of "P" (Pass) is given for all registered dissertation credit hours. Until then, a grade of "S" (Satisfactory) or "US" (Unsatisfactory) is given for the registered dissertation credit hours each semester, depending on the student's performance, and decided by the supervisor.

The candidate is well advised to have a final acceptable typescript of the dissertation in the hands of each member of his/her committee at a reasonable time in advance of the final defense of the work.

Dissertations will be evaluated in the merits of originality, clarity and extend of contribution to knowledge and science. It is expected that doctoral dissertations will make significant contributions to the creation of knowledge and the development of theory and practice in a specific area. Performance of the students during the preparation of their dissertations and during the defense sessions, contributes heavily to the evaluation.

Five copies of the dissertation in approved form on proper paper, one copy on a CD and nine copies of an abstract of not over 350 words will be handed in to the Registrar Office of the Graduate Studies, accompanied by the Certification of Approval of doctoral dissertation defense. It is the duty of the student to acquire a copy of the Guidelines for Preparing Dissertations and to conform to the requirements therein.

No student gains the right to be recommended for the degree simply by fulfilling all requirements. This right is reserved for the Dissertation Committee and approved by the School Council.

FINAL EXAMINATION/DISSERTATION DEFENSE

A final public oral defense of the dissertation is required. The dissertation defense is a Pass or Fail examination, and no letter grades are given. Upon passing the final examination, students must apply for graduation at the Registrar's Office and pay graduation fees. The final defense must be held at least one month prior to the commencement.

TIME LIMIT

Degree requirements must be completed within six years from the time of admission, and within four years of passing the qualifying examination.

Bylaws Language

In case of any change in the explanation of this bylaws between the Arabic version and the English version, the Arabic text will be the reference.

Ph.D. Degree in Information Technology and Computer Science

تقدم كلية تكنولوجيا المعلومات وعلوم الحاسب الشعب التالية لدرجة الدكتوراه في تكنولوجيا المعلومات وعلوم الحاسب:

1. **المعلوماتية (Informatics)**
2. **هندسة البرمجيات (Software Engineering)**
3. **أمن المعلومات (Information Security)**

Expected Outcomes

Graduates of the PhD Program will have a strong understanding of the advanced aspects of each track and the thesis related sub-specialization. These graduates possess the applied knowledge required for excellent job prospective in high-growth Information and Communication Technology sectors, and acquire solid background to pursue a successful R&D career.

Ph.D. of Computer Science

INFORMATICS TRACK

Program Description

The Ph.D. Program in the Informatics track is a high-quality program aimed at imparting advanced knowledge across a broad range of Informatics science topics and allows the candidate to acquire and apply higher technical and research skills around a variety of specializations including Natural Language Processing, High Performance Computing, Medical Imaging, Computer Vision, Brain-Machine Interface, Bioinformatics among others. It enables the opportunity to go deeper into the fundamental principles of computing while focusing on the applications. The track offers a wide choice of courses in an innovative approach for teaching based on the research strength of Nile University's Center for Informatics Science (CIS). This facilitates the provision of combination of breadth, depth and flexibility that is difficult to find elsewhere since students undertake a collection of specialized course unite enabling them to graduate from our highly respected program. The track faculty consists of highly experienced professors and researchers from NU and international partner universities and institutions.

Local/ International Partners

The Informatics track has strong collaborations with local and international partners in the form of active research projects, student exchange, and joint supervision. Local partners include, but are not limited to, the National Cancer Institute, the Agricultural Research Center, Kasr El Eini Hospitals, the Eye Hospital, the Traffic Department, as well as several companies in the areas of communications and information technology. International partners include a group of world-renowned institutions and professors from top universities in USA, Canada and Europe such as Imperial College London, Johns Hopkins University, University of Ulm, and the Swedish Royal Institute of Technology KTH.

Who should attend

The track targets M.Sc. graduates who seek to develop their knowledge, understanding and research skills in in advanced computing disciplines. Students admitted to NU, Ph.D. program in the information technology and computer science school must hold an appropriate university M.Sc. degree in Computer Science or Engineering.

Program Structure

The student should take four courses from the Informatics Track course pool (12 Credit Hours). Two of them are mandatory (INF-712 Advanced Big Data Analytics, INF-707 Advanced Machine Learning). The other two courses are selected by the supervisor, based on the research point. Then, the student should take 36 credit hours of real scientific contribution in preparing a PhD thesis, publishing scientific papers and defending their thesis.

Ph.D. of Computer Science
SOFTWARE ENGINEERING TRACK

Program Description

Over the last few years, the world witnessed a significant growth in its communication and information technology industry in general and software development in particular. Different studies and indicators place Egypt among the countries with the highest potential growth in these sectors, and foresee that the software industry could become one of the main contributors in the region economy in the decades to come. One of the challenges, however, is the number of qualified academics and scientists that would lead this effort and build the base for this promising industry. It was therefore a strong motive for Nile University with its vision of "growing leaders of the technology driven high-growth economy" to offer a Ph.D. Program specialized in fulfilling this need. The specialization aims at producing astute academics and scientists prepared for future roles as leaders in the software realm.

Who should attend/Target Market

The track is targeting PhD candidates who seek to be deeply specialized in the research of software engineering discipline. Prospective students must have an M.Sc. Degree in Computer Science or Engineering backgrounds. An experience and background in the software development industry is highly recommended. The target market includes academia as well as software development companies and/or other corporates.

Program Structure

Students should take four courses from the Software Engineering Track course pool (12 Credit Hours). Two of them are mandatory (SWE 701: Advanced Empirical Software Engineering, SWE 705: Advanced Software Quality Assurance). The other two courses are selected by the supervisor, based on the research point. Then the student should take 36 credit hours of real scientific contribution in preparing a PhD thesis, publishing scientific papers and defending their thesis.

Ph.D. of Computer Science
INFORMATION SECURITY TRACK

Program Description

Security domain is a key component in any field. It plays a vital role in securing industry know how, health records, online banking transactions, research results and many more. Security and privacy have evolved dramatically in the last decades. This track focuses on the most vital security topics, such as security issues in cloud computing and big data. The research of this track includes but not limited to novel ideas in cryptography, operating systems and mobile applications security, security in wireless ad-hoc networks, digital forensics, penetration testing, malware analysis, security incident handling, risk management, and systems exploitation.

Local/ International Partners

International partners include a group of world-renowned institutions from well-recognized universities in USA, Canada and Europe.

Who Should Attend

The track is targeting PhD candidates who seek to be deeply specialized in the research of information and cyber-security discipline. Prospective students must have an M.Sc. Degree in Computer Science or Engineering backgrounds. An experience and background in the network and/or security architecture is highly recommended. The target market includes academia as well as the R&D departments in information security vendors and/or other corporates.

Sectors benefiting from the program include government organizations, public, and private companies, banks and financial institutions, and any organization using information technology.

Program Structure

Students should take four courses from the Information Security Track course pool (12 Credit Hours). Two of them are mandatory (INS 704: Blockchain Technologies and Applications, INS 709: Cloud Computing Security). The other two courses are selected by the supervisor, based on the research point. Then they should take 36 credit hours of real scientific contributions in preparing a PhD thesis, publishing scientific papers and defending their thesis.

PhD Program Courses Description

Computer Science (Informatics Track) Course Pool

Mandatory Courses for Informatics Track	
INF-712 Advanced Big Data Analytics	**INF-707 Advanced Machine Learning**
Elective Courses for Informatics Track	
INF-701 Advanced Computer Vision	**INF-702 Advanced Image Processing**
INF-703 Advanced Medical Imaging	**INF-704 Advanced Video Processing**
INF-711 Advanced Big Data Processing	**INF-721 Advanced Natural Language Processing**
INF-731 Advanced Bioinformatics	**INF 790, Selected Topics in Informatics**

Computer Science (Informatics Track) Course Description

INF-701 Advanced Computer Vision (3 credit hours)

This course covers advanced research topics in computer vision assuming basic knowledge of computer vision. The course will prepare graduate students in both the theoretical foundations of computer vision as well as the practical approaches to building real computer vision systems. Topics covered include multi-view geometry, motion analysis and activity recognition, unsupervised representation learning, image style transfer, deep learning for 3D classification and segmentation, image-to-image translational networks.

INF-702 Advanced Image Processing (3 credit hours)

This course provides in-depth study of advanced methods and research topics of current interest in image processing and analysis. The course covers nonlinear scale space and anisotropic diffusion, differential invariant structures, image registration including deformable registration (snakes, level sets) and atlas building, shape representations and the theory of shape spaces, level set segmentation, statistical shape analysis, and Markov random fields.

INF-703 Advanced Medical Imaging (3 credit hours)

This course provides candidates with an understanding of advanced imaging systems and their integration across the fields of diagnostic radiology, nuclear medicine and radiotherapy. This will include study of time-resolved ("4-dimensional") imaging (CT, MRI, and US), image-guided radiotherapy, and hybrid-modality imaging (e.g. PET/CT) together with topics such as image registration and its integration into treatment facilities and protocols. Emerging medical imaging modalities such as Phase Contrast Imaging are also explored during the course.

INF-704 Advanced Video Processing (3 credit hours)

This course covers various topics which includes video spatio-temporal sampling, motion estimation, parametric motion models, motion-compensated filtering, noise reduction, restoration, super-resolution, deinterlacing, video sampling structure conversion, and

compression (frame-based and object-based methods). Also, more advance topics such video segmentation, layered video representations, transform coding, entropy coding, scalable video coding, watermarking, video streaming, compressed-domain video processing, and digital TV will be covered.

INF-707 Advanced Machine Learning (3 credit hours)

This is an advanced course on machine learning, focusing on recent advances in deep learning with neural networks, such as recurrent and Bayesian neural networks. The course will introduce the mathematical definitions of the relevant machine learning models and derive their associated optimization algorithms. Topics to be covered include Bayesian modelling and Gaussian processes, randomized methods, Bayesian neural networks, approximate inference, variational autoencoders, generative models, recurrent neural networks, backpropagation through time, long short-term memory, attention networks, memory networks, and neural Turing machines.

INF-711 Advanced Big Data Processing (3 credit hours)

This course discusses advanced approaches and tools for big data processing. The course starts with describing popular big data frameworks with focus on Hadoop and Spark, HDFS, YARN, and MapReduce. The use of Pig, Hive, and Impala to work on data stored in HDFS is subsequently presented. Data ingestion with Sqoop and Flume, and real-time parallel processing with functional programming in Spark are investigated along with advanced optimization strategies. Security issues in big data and managing big data streams are also discussed.

INF-712 Advanced Big Data Analytics (3 credit hours)

This course starts with big data modeling and management systems for real-time and semi-structured data. Systems and tools discussed include: AsterixDB, HP Vertica, Impala, Neo4j, Redis, SparkSQL. Machine learning algorithms and scaling up for big data is subsequently presented as well as topics including cluster analysis, association analysis, and graph analytics including connectivity, community, and centrality analytics. Computing platforms for graph analytics for large scale graph processing are also investigated with example including analysis of data acquired Internet of Things (IoT) devices.

INF-721 Advanced Natural Language Processing (3 Credit Hours)

This course focuses on the study of human language from a computational perspective. It covers syntactic, semantic and discourse processing models, emphasizing machine learning or corpus-based methods and algorithms. It also covers applications of these methods and models in syntactic parsing, information extraction, statistical machine translation, dialogue systems, and summarization. Topics covered include Parsing and Syntax, Lexical Similarity, Log-Linear Models, Grammar Induction, Machine Translation, Maximum Entropy, Word Sense Disambiguation, Named Entity Tagging, and Joint Inference and Belief Propagation.

INF-731 Advanced Bioinformatics (3 Credit Hours)

Modern-day biology is increasingly characterized by genome-scale and data-driven approaches. Bioinformatics use mathematics, statistics and computing to manage, analyze and build models from biological data to solve scientific problems. Present-day bioinformaticians are typically either bio-scientists armed with the methods of computer science, statistics and mathematics, or data analysts intimately acquainted with the nature and challenges of molecular biology. Moreover, the course is designed to leverage synergies between the two groups. The students get hands-on experience using some of the relevant tools and databases to apply it on different subfields of bioinformatics, from various facets of DNA sequence analysis to predicting RNA and protein structure. In these practical sessions, the students will apply bioinformatics tools to real-world biological problems. The course aims to instill an appreciation and understanding of a range of computational and statistical applications in biology involving the processing, analysis of and model-building from genomic data and other biological data.

INF 790, Selected Topics in Informatics (3 credit hours)

This course is tailored to introduce students to the latest advances in the various fields in Informatics, and/or to focus on a specific area of particular interest to the discipline. The course is a series of lectures covering current research and research trends in the area of informatics. Topics may include advanced aspects of some of the following: Cloud Computing, Visualization, Multimedia, Medical Image Understanding, Next Generation Sequencing (NGS) Data Analysis, Metagenomics, Taxonomic Classification, among others.

Computer Science (Software Engineering Track) Course Pool

Mandatory Courses for Software Engineering Track	
SWE 701 - Advanced Empirical Software Engineering	**SWE 705 – Advanced Software Quality Assurance**
Elective Courses for Software Engineering Track	
SWE 702 - Software Maintenance, Evolution, and Re-Engineering	**SWE 703 - Advanced Software Testing, Verification and Reliability**
SWE 704 - Advanced Software Architecture and Design	**SWE 705 – Advanced Software Quality Assurance**
SWE 790 - Selected topics in Software Engineering	

Computer Science (Software Engineering Track) Course Description

SWE 701 - Advanced Empirical Software Engineering (3 credit hours)

This course provides a foundation for applied software engineering research. It focuses on giving the students a strong empirical component. This course show how empirical means can be used to investigate and test software development practices and technologies to be understood and evaluated in a better form. The course covers also deployment of new practices in proper contexts. The course discusses the research of identifying best practices for high software quality and productivity, including controlled experiments and field studies, from data intensive to qualitative. In this course, PhD students are trained how to develop reported empirical studies which involve the collection and analysis of data and experience that can be used to characterize, evaluate and reveal relationships between software development deliverables, practices, and technologies. Students will learn how these empirical results can develop a widely accepted and well-formed theories. Students from industry background can benefit from this course that address the significant gap between research and practice. The topics of these course are applied to: Analysis and design - Model-driven development - Requirements engineering - Verification and validation - Maintenance and evolution - Quality assurance - Dependability analysis - Project management - Organization models for software development - Predictive models for software dependability - Software engineering economics - Applications of artificial intelligence techniques to software engineering - Qualitative analysis.

SWE 702 - Software Maintenance, Evolution, and Re-Engineering (3 credit hours)

This course focuses on the principles and techniques of software maintenance. Impact of software development process on software justifiability, maintainability, evolvability, and planning of release cycles. Use of very high-level languages and dependencies for forward engineering and reverse engineering. Achievements, pitfalls, and trends in software reuse, reverse engineering, and re-engineering. Evolution of software, systems, and services, including the conception, development, testing, management, quality and maintenance of software. In

addition, it covers the continuous improvement of processes and capabilities surrounding these activities. The course topics try to answer the following questions:

- How new underlying technologies can be integrated and dealt with as systems evolve over time
- How new platforms and architectures are developed to create the variety of future applications
- How high-level representations of existing software, systems and services can be reverse engineered and used to support maintenance and evolution
- What are the impacts of agile development and management of new software, systems and services
- How people issues regarding cross disciplinary or geographically dispersed virtual teams can be addressed and managed.
- What models will be used to estimate costs and predict performance of projects and process changes
- The technical, schedule, budgetary and other risks associated with developing and evolving new systems and how they will be managed
- How to improve organisational capability and maturity
- What the performance impact of process changes will be
- How process change efforts impacting systems and services will be managed and organised
- How "pay as you go" and "value in use" business models affect software, systems and services

SWE 703 - Advanced Software Testing, Verification and Reliability (3 credit hours)

This course focused on the theoretical and practical issues of advanced software testing, verification and reliability. Students will learn the necessary concept for building better software and evaluating it. Topics of the course may include: Criteria for software testing and verification - Application of existing software testing and verification techniques to new types of software, including web applications, web services, embedded software, aspect-oriented software, and software architectures - Model based testing - Formal verification techniques such as model-checking - Comparison of testing and verification techniques - Measurement and metrics for testing, verification and reliability - evaluations of commercial and open-source software testing tools - Reliability modelling, measurement and application - Testing and verification of software security - Automated test data generation - Process issues and methods - Non-functional testing

SWE 704 - Advanced Software Architecture and Design (3 credit hours)

(Prerequisite: CIT-611 Software Architecture)

This course focuses on the advanced concepts and methodologies for the development, evolution, and reuse of software architecture and design. Identification, analysis, and synthesis of system data, process, communication, and control components. Decomposition, assignment, and

composition of functionality to design elements and connectors. Use of non-functional requirements for analyzing trade-offs and selecting among design alternatives. Transition from requirements to software architecture, design, and to implementation.

SWE 705 – Advanced Software Quality Assurance (3 credit hours)

(Prerequisite: CIT-613 Software Testing and Verification)

The course covers how to produce and implement standards to improve the development life cycle and ensure that Quality Assurance processes are followed, and how these processes fit into the overall software development process, how to deliver high quality products in terms of predictability and reliability on time and within budget. It also covers the implementation of organizational quality policy and building an effective SQA organization in a global environment.

SWE 790 - Selected topics in Software Engineering (3 credit hours)

This course is tailored to introduce students to the latest advances in the various fields in software engineering and/or to focus on a specific area of interest to the discipline. This course is a series of lectures covering current research and research trends in software engineering. Forum for presentation and criticism by students of research work in progress. Topics may include advanced aspects of some of the following: Software engineering development process - Mining large software system data - Software re-engineering - Software comprehension and maintenance - Software architecture and design - Software requirements, verification, testing and validation - Human computer interface - Services computing: Foundations, design and implementations

Computer Science (Information Security Track) Course Pool

Mandatory Courses for Information Security Track	
INS 704, Blockchain Technologies and Applications	**INS 709, Cloud Computing Security**
Elective Courses for Information Security Track	
INS 701, Advanced Applied Cryptography	**INS 702, Advanced Network Security**
INS 703, Cybercrime Identification and Prevention	**INS 705, Advanced Digital Forensics and Incident Response**
INS 706, Advanced Penetration Testing and Ethical Hacking	**INS 707, Physical Systems Security**
INS 708, Advanced Operating Systems Security	**INS 710, Virtualization Security**
INS 711, Advanced Applications Security and Coding	**INS 790, Selected Topics in Information Security**

Computer Science (Information Security Track) Course Description

INS 701, Advanced Applied Cryptography

Prerequisites: CIT621

This course targets building advanced knowledge and experience in the applied domains of cryptography and its future trends and algorithms. The course should span deeply the most popular cryptanalytic techniques. Students must build experience and gain understanding of the practical and applied aspects of the cryptographic engineering techniques and algorithms. The course goes deeply with the relevant and required mathematical and algebraic backgrounds such as discrete logarithm-based cryptosystems and signatures, digital watermarking, digital fingerprinting, steganography, blockchain technologies, quantum computing, and quantum cryptography, communication protocol design and analysis, digital signatures, anonymous communication, cryptographic backdoors, security proofs. The impact of cryptographic issues on real systems, while maintaining an appreciation for grounding the work in fundamental science.

INS 702, Advanced Network Security

Prerequisites: CIT609, CT620

Network security is one of the ever-evolving domains of research. The course has to go deeply into large scale network attacks and its direct and indirect impacts. Students have to examine in full details the DoS, DDoS, Malware-based attacks, penetration testing methodologies, network monitoring, and botnet detection. The course also targets designing secure network protocols and studying vulnerabilities in the whole TCP/IP protocol stack. Students must examine the different web security attacks, and the associated defense models.

INS 703, Cybercrime Identification and Prevention

Prerequisites: CIT660 (Forensics)

In this course, students go deeply into the different digital cybercrime scenes and scenarios; from the criminal and the victim(s) perspectives. The course analyses the vulnerability foundation, traditional causes, system strengths and weaknesses, countermeasures, and prevention and protection techniques. Human vulnerabilities, insider threats and attacks, organizational policies and regulations must be thoroughly examined. Students through this course should deal with cybercrime identification, cybercrime investigation, prevention and mitigating against.

INS 704, Blockchain Technologies and Applications (3 Credit Hours)

Prerequisites: CIT621

The course discusses the enormous potential application for Bitcoin-like technologies in different domains. It covers the technical aspects of engineering secure software, system interactions with crypto-currencies, and distributed consensus for reliability. The course enables students to thoroughly understand the know-how of the newly introduced blockchain technology and its applications. The course covers peer-to-peer networking, blockchain foundational concept, architecture, technologies, applications, distributed digital ledger, cryptocurrencies, bitcoin, ethereum, hyperledgers and similar. The course covers the current and proposed implementations and applications in various domains. The course also covers different challenges facing the blockchain technologies including attack scenarios and proposed mitigation techniques.

INS 705, Advanced Digital Forensics and Incident Response (3 credit hours)

The course covers the necessary capabilities for forensic analysts and incident responders to identify and counter a wide range of threats within enterprise networks, including economic espionage, hacktivism, and financial crime syndicates. The course will consist of in-class presentations, workshops and interactive discussions about research papers.

INS 706, Advanced Penetration Testing and Ethical Hacking (3 Credit Hours)

This advanced course introduces students to the most prominent and powerful attack vectors, allowing students to perform these attacks in a variety of hands-on scenarios. The course includes research seminars covering foundational work and current topics in penetration testing and ethical hacking. Students will read and discuss published research papers as well as complete an original research project in small groups.

INS 707, Physical Systems Security (3 Credit Hours)

Prerequisites: CIT620

The course examines security platforms and concerns related to cyber physical systems with emphasis on the industrial control systems such as SCADA systems. The course explores the industrial cyber security threats, corresponding networking architecture, control systems, design, protocols, and governing modules. Students have to investigate different security threats to different cyber-physical systems in different domains.

INS 708, Advanced Operating Systems Security (3 Credit Hours)

Prerequisites: CIT622

This course examines in depth the operating systems' structuring, design and implementation concepts. It emphasizes on the possible attack scenarios and vulnerabilities in distributed systems, scheduling in parallel systems, grid systems, parallel computing, virtualization, hypervisors and virtual machines, and defense-in-depth concepts in virtualized environment.

INS 709, Cloud Computing Security (3 Credit Hours)

Prerequisites: CIT610

The course investigates deeply the security platforms and architecture associated with different cloud computing deployment models. Students have to examine the concerns, incidents, vulnerabilities, the corresponding security issues due to virtualization and the use of hypervisors and virtual machines. The course has to emphasize on the countermeasures correlated with the virtualized environments, virtualized data centers, virtual machines theft, hyper-jacking, data leakage and denial of service attacks. The course investigates the forensics concerns and threats facing cloud users and cloud providers, multi-tenancy threats, taking into considerations the governing legal and regulatory issues on a local, regional and international platform.

INS 710, Virtualization Security (3 Credit Hours)

Prerequisites: CIT610

The course examines the security issues of the classical versus virtualized data centers. Students have to go in depth into the hypervisor architectures, virtual machine construction and specifications, VM status, VM templates, the related security concerns, securing VM to VM traffic, securing hypervisor kernels and VMMs, virtual firewalls, virtualized networking environment, security incidents and threats at the compute platform, the memory forensics, security at network and storage levels, guest and host operating systems security, intrusion detection, mitigation and protection measures.

INS 711, Advanced Applications Security and Coding (3 Credit Hours)

The course covers securing software design, development and implementation, defense in depth, multi-tier architecture, attacks to APIs, code vulnerability, data validation, SQL injection, data storage, encryption and decryption, error handling and logging, sessions hijacking, threat modeling and/or threat

trees, risk analysis, management, mitigation and countermeasures. The course contents emphasize on security architecture and platforms in different application domains such as mailing systems, databases, and e-banking applications.

INS 790, Selected Topics in Information Security (3 Credit Hours)

This course is tailored to introduce students to the latest advances in the various fields in Information Security, and/or to focus on a specific area of particular interest to the discipline. There areas may contain concentration of recent advances in some of the following topics: Authentication and access control - Anonymity and privacy - Cryptographic protection - Digital forensics - Human factors in security - Multimedia security - Network and mobile security - Security management and policies - Hardware and physical security

Computer Science (All Tracks) Thesis

CIT-800 PhD Dissertation (36 cr hr)

Doctoral students must explore the published academic literature in a specific state-of-the-art research topic in the Computer Science domain, in one of the following track (Informatics, Software Engineering, or Information security), propose research plan, propose value added component to the domain, the procedure and methodology(ies) to achieve the research goals, examine the research outcomes and propose the future work.

Appendices

Appendix 1 - About Nile University

Nile University (NU)'s Vision is to be a world-class, internationally recognized research University. NU's Mission is to contribute to the development of the technology-driven economies of Egypt and the region through the pursuit of education and research at the highest levels of excellence.
This is accomplished by:

- Offering leading edge graduate and undergraduate programs and executive education.
- Carrying-out interdisciplinary research.
- Collaborating with distinguished international universities and research institutions.

The University's primary objectives are:

- To establish a world-class graduate institution of higher education and interdisciplinary research.
- To develop NU as an Integrated component of a Techno-polis to support capacity building in Egypt.
- To graduate entrepreneurs and managers of technology for the dynamically changing global environment.
- To improve competitiveness of Egyptian businesses by promoting applied research, technology start-ups and protection of intellectual property rights.

- To contribute to the formulation of the national technology policy and agenda.
- To create an environment for brain-circulation through mutual cooperation between members of the expatriate community, NU and local and international universities.

NU's core values are excellence, integrity and service to the community, with a commitment to diversity and respect for the individual.

Appendix 2 - NU Information Technology and Computer Science Faculty Biographies and Labs

Appointed Faculty

Dr. Mahmoud Allam: is a Professor, Director and founder of the Software Engineering & Computer Engineering programs at Nile University. He holds B.Sc. and M.Sc. degrees in electrical engineering from Cairo University, a Ph.D. in electrical engineering from the University of Wisconsin – Milwaukee, USA; and an Executive Development Diploma from IESE Business School, Spain. Since 2004, Dr. Allam worked as academic consultant for Nile University (NU) Project, Ministry of Communications and Information Technology, and was a member of the core team that founded NU. Since NU's launch in 2007 he served in several key positions including Vice President, Assistant Provost, and founding Dean of the School of Communication and Information Technology. Prior to joining NU, he was the founding chairman of the Information Systems Department at the Université Française d'Egypte and an adjunct professor in a number of other universities, including the American University in Cairo, the Arab Academy for Science & Technology, and Modern Sciences & Arts University. Before returning to Egypt, he was a research fellow at the Ultrasound Research Lab at Mayo Clinic, USA. Dr. Allam is the managing director of Metaco-Egypt where he also established and headed the software development division. He was also consultant for a number of industrial companies in Egypt and internationally. He authored over 30 journal and conference papers, book chapters, and supervised more than 30 Master and PhD students. He is a Senior Member of the IEEE, and a Chairman of board of Internet Masr (Internet Society - Egypt Chapter).

Dr. Mohamed ElHelw: Dr. ElHelw is the founder and Director of the Ubiquitous Computing Group and lab at Nile University. Equipped with wireless body and vision sensor networks, the lab is the first of its own in Egypt and develops ubiquitous computing technologies for variety of applications. Dr. ElHelw has a proven research and development expertise in computer graphics, machine vision and ubiquitous computing, with several high-quality publications in these areas. Before joining NU, he worked at Imperial College London contributing to the Smart and Aware Pervasive Healthcare Environments (SAPHE) project, a pioneering European initiative for developing a new generation of ubiquitous networks with miniaturized wireless sensors for advanced healthcare delivery. Dr. ElHelw received B.Sc. in Computer Science from the American University in Cairo in 1993, M.Sc. in Computer Science from the University of Hull, UK in 1997, and Ph.D. in Computer Science from Imperial College London, University of London in 2006. He also holds a Diploma in Visual Information Processing (DIC) from Imperial College.

Dr. Nashwa Abdelbaki: is an Associate Professor at NU. She is the Information Security Program Director since its inauguration. Dr. Abdelbaki is also leading the research group of cloud computing and interactive multimedia to introduce the future integrated multimedia

multiparty communication system in a collaborative environment with emphasis on the education sector. Her research interest in this regard elaborates on enhancing school education and student learning using the new research and technology fields and trends such as gamification, virtual labs, augmented reality, humanoid robots, cloud computing and information security. She has published over forty refereed conference and journal papers and book chapters. She has also served as program committee member in several international scientific journals and conferences. Dr. Abdelbaki received her Doctor of Engineering (Dr.-Ing.) degree with grade 1.0, in the field of multimedia networking from Faculty of Engineering, Ulm University, Germany. She received her M.Sc. degree from Faculty of Engineering, Ain Shams University in Cairo, and B.Sc. from Faculty of Engineering, Cairo University, Egypt. Nashwa Abdelbaki is an early Internet pioneer, bringing Internet connectivity to Egypt in the late 80s and early 1990s. She helped to build Egypt's national networks both locally and regionally and took technical lead of the Egyptian Universities Network (EUN) and the central registry of the Egyptian Top Level Domain .EG. She is an active member of organizing several international IT conferences and networking workshops. She participated in the submission of the first proposal to establish AfriNIC. She served as an ICANN ccNSO Council member (2007-2010) and a member of the African Top Level Domain (AFTLD) Executive Committee.

Faculty on Full-Time Secondment

Dr. Ahmed Hassan: is a full Professor and the Dean of Information Technology and Computer Science school at Nile University (NU). He received his PhD, Masters and Bachelor degrees in Computer Engineering from Ain Shams University, in 2004, 2000 and 1995 respectively. After completing his PhD, Dr. Hassan has taken on technical leadership in numerous national developmental projects including the ICTP in the Ministry of Higher Education and the Electronic and knowledge Services Center in the Supreme Council of Universities. He was awarded the title of IEEE senior member and served as the IEEE, Egypt section secretary during 2012-2015. He is now the vice president of IEEE, Egypt Section for chapter activities since 2016. His research interests include high performance computing, software engineering, artificial intelligence, data and web mining. He currently has over fifty refereed international publications. He has also served as an associate editor and external reviewer for many international journals.

Dr. Amr El Sherif: An Associate Professor and the director of the Wireless Intelligent Networks Center (WINC), Nile University, Egypt. Dr. Amr A. El-Sherif received the B.Sc. and M.Sc. degrees in Electrical Engineering from Alexandria University, Alexandria, Egypt in 2002 and 2005, respectively, and the Ph.D. degree in Electrical Engineering from the University of Maryland, College Park, MD, USA, in 2009. He was a Post-Doctoral Fellow at the Computer Science and Engineering Dept., Qatar University, Qatar, for two years. He also holds the position of Associate Professor at the Electrical Engineering Dept., Faculty of Engineering, Alexandria University, Egypt. Dr. El-Sherif is a Senior Member of the IEEE and has served on the technical program committees of major IEEE conferences. He is the recipient of the State Incentive Award in Engineering Sciences in 2015, and the Medal of Excellence in 2017 from the Egyptian government. His research interests lie in the broad area of performance analysis and design of wireless networks with emphasis on cognitive radios and networks, cooperative communications and networking, cross-layer design, MAC, scheduling and resource allocation.

Faculty on Part-Time Secondment

Dr. Marianne Amir Azer: is an Associate Professor in Nile University (NU), and an Associate Professor and Director of Information Center in the National Telecommunication Institute (NTI). She is an author/ co-author of over 45 international publications. She received awards, certificates, and fellowships from many international institutions for her achievements in Science, Technology, and Academia. To mention a few, the US Department of State, University of Michigan Dearborn, Google. She is a Member of the Egyptian Parliament and has been honored in the Egyptian Parliament by the Speaker of the House for her international achievements in Information and Communication Technology. She is a member of many international committees and organizations. For instance, the international observatory for women speaking French, a member of the IEEE, ACM, IFIP working 8.4, Arab Women in Computing (AWIC), Women committee of the Parliamentarian union for the Euro Mediterranean countries, Research Committee and Foreign Affairs Committee in the National Women's Council, the Egyptian Council for Foreign Affairs, Arab Organization for Young Scientists. Her areas of expertise include Communication and Information Technology, information security, cloud computing, e-Learning, and Engineering Education. Dr. Azer was invited as a speaker, panelist, and keynote speaker in a number of international conferences and events. She is also a reviewer and a technical committee member in many international and national conferences.

Dr. Seif Eldawlatly: is an Associate Professor at Nile University and the Computer and Systems Engineering Department, Faculty of Engineering, Ain Shams University. He received his PhD in Electrical and Computer Engineering from Michigan State University, USA in 2011. He received his MSc and BSc in Electrical Engineering (Computer and Systems) from Ain Shams University in 2006 and 2003, respectively. His research focuses on utilizing machine learning and signal processing techniques to develop invasive and non-invasive Brain-Machine Interface (BMI) applications. He is currently the principal investigator of multiple funded research projects that aim at developing BMI applications for people with motor disabilities as well as people with visual impairments. He has more than 30 refereed publications in this area.

NU ITCS Assistant Professors

Full Time

Dr. Mustafa Elattar: is an Assistant Professor at Nile University. He obtained his Bachelor Degree in Systems and Biomedical Engineering. Afterwards, Mustafa joined the Medical Imaging and Image Processing (MIIP) lab at Nile University as a research assistant. In 2010, he obtained his Master's degree in Communication and Information Technology after finishing his thesis "Segmentation of Cardiac MRI Images". He is interested in medical image analysis, software engineering, and other related topics. He participated in the development of Retinal Image Processing Toolkit with Clinical Networking. he joined Diagnosoft Inc. as a research and development engineer. He implemented various novel techniques and multiple existing algorithms for analyzing and segmenting different cardiac MRI sequences data. In 2012, he

started his PhD research at the Academic Medical Center, University of Amsterdam, Amsterdam, the Netherlands. He developed segmentation techniques to detect the aortic root landmarks for the purpose of preoperative planning of transcatheter aortic valve implantation. He developed a novel fully automated algorithm to find the optimal incision location for minimally invasive aortic valve replacement surgeries. Mustafa spent six month as a research and development Engineer at 3mensio, the Netherlands, to implement his mini-AVR planning tool idea, which has been validated and supplied to the AMC Cardiothoracic Department at a production level. From July 2016, Mustafa started to work as postdoctoral fellow to conduct research for image guided radiotherapy at the Netherlands Cancer Institute, Antoni van Leeuwenhoek, Amsterdam, the Netherlands. In August 2017, Mustafa joined Nile University as an assistant professor in the Communication and Information Technology school and started a research group working on multiple research topics e.g. artificial intelligence, deep neural networks, medical image processing, and medical imaging. He also joined Myocardial Solutions as the head of research of deep learning and big data solutions. Mustafa has over 20 publications in journals, conferences, and book chapters.

Dr. Mohamed El-Hadidi: is an Assistant Professor at Nile University and the head of the Bioinformatics research group since February 2017. He received his Ph.D. Degree in Bioinformatics in 2016 from the Department of Computer Science, Faculty of Science, Eberhard Karls Universität Tübingen in Germany. From 2012-2016 he has worked as full-time researcher in ZBIT Center for Bioinformatics at University of Tubingen. El-Hadidi was awarded an EU-funded scholarship "Erasums Mundus", where he had the chance to finish two master's degree; one in computational and systems biology from the Department of Computer Science, School of Science and Technology, Aalto University in Finland and the other in biotechnology from the Department of Bioengineering, Instituto Superior Técnico (IST), Technical University of Lisbon in Portugal. El-Hadidi's research expertise is in bioinformatics with focus on next generation sequencing (NGS) data analysis and metagenomics. During his Ph.D., El-Hadidi's main research focuses on designing and implementing automatic pipelines for the analysis of high-throughput metagenomic data for a wide range of medical and environmental applications. El-Hadidi has published many publications in prestigious journals and conferences.

Dr. Laila H. Afify: is an Assistant Professor at Nile University. She received her Ph.D. degree from King Abdullah University of Science and Technology (KAUST), Saudi Arabia in 2016. She worked as a Research Assistant at the Wireless Intelligent Networks Center (WINC), Nile University, Egypt from 2009 to 2011. She received her M.Sc. degree in Wireless Communications from Nile University in 2011. From 2011 to 2012, she was jointly affiliated with Nile University and the American University in Cairo as a junior scientist. She received her B.Sc. degree in Electrical Engineering from Cairo University, Egypt, in 2009. She is the recipient of the Best Paper Award in IEEE ICC workshop on Small Cells and 5G networks in 2015. She is also a co-recipient of the Best Paper award in the IEEE UEMCON in 2017. Her research focuses on the use of stochastic geometry in next generation, large-scale, wireless networks. Her main research interests include signal processing, stochastic geometry, vehicular networks and cognitive radio systems.

Part-Time

Dr. Samhaa R. El-Beltagy: is a full Professor at Cairo university and was the former dean of the Information Technology and Computer Science School, Nile University from Sept. 2016 to

Sept. 2017. She received her PhD in Computer Science from the University of Southampton, UK in 2001, and her Masters and Bachelor degrees in Computer Science from the American University in Cairo in 1997 and 1993 respectively. After completing her PhD, Dr. El-Beltagy has taken on technical leadership in numerous national developmental projects. In 2009, she was awarded the title of ACM senior member which recognizes "ACM members with at least 10 years of professional experience […] who have demonstrated performance that sets them apart from their peers". It is worth noting that she is the first person with an Egyptian affiliation to have been awarded this title. Over the past 10 years, Dr. El-Beltagy has been focused on the area of text analytics. During the past two years, she has given three keynote speeches in international conferences about Social Media Analytics. She currently has over eighty refereed international publications and has served and continues to serve on the international program committees of numerous reputable international conferences and workshops, directly and indirectly related to the general field of "Data Analytics". She has also served as an external reviewer for a number of international journals, and national projects.

Dr. Sameh El-Ansary: is an Assistant Professor of CIT at Nile University since 2007. He received the B.Sc. and M.Sc. degrees in Computer Science from the American University in Cairo, Egypt, in 1998 and 2000 respectively. He received his Ph.Lic. and Ph.D. in Computer Science from the Royal Institute of Technology, Stockholm, Sweden in 2003 and 2005 respectively. Since 2000, he has been working as a researcher at the Swedish Institute of Computer Science. He conducted research in collaborative development of ontologies, virtual machines for mobile devices and P2P systems with a focus on structured overlays (aka Distributed Hash Tables (DHTs)). In this field, his contributions include a framework for structured overlays based on distributed k-ary search, a system based on this framework, an optima broadcast algorithm for DHTs. He also collaborated with physicists in an attempt to use physics techniques in the analysis of large-scale distributed systems. His current research interest is scalable content distribution with a focus on Peer-To-Peer live streaming.

Infrastructure and Facilities

Total of classrooms and labs are 48 the below table will include all data required about them.

No.	Room Number	Room name	Capacity	Area	Building
1	G17	Computer Lab.	30	80	UB2
2	G18	Computer Lab.	30	80	UB2
3	G25	Electronics Lab.	30	87	UB2
4	G29	Computer Lab.	30	85	UB2
5	F5	Lecture Room	55	95	UB2
6	F9	Lecture Room	55	95	UB2
7	F26	Classroom	25	42	UB2
8	F27	Classroom	25	43	UB2
9	F28	Classroom	25	43	UB2
10	F29	Classroom	25	42	UB2
11	F31	Classroom	25	42	UB2
12	F32	Classroom	25	43	UB2
13	F33	Classroom	25	43	UB2
14	F34	Classroom	25	42	UB2
15	F45	Lecture Room - Drawing Lab	55	85	UB2
16	F46	Lecture Room - Drawing Lab	55	85	UB2
17	F47	Classroom	25	42	UB2
18	F48	Classroom	25	43	UB2
19	F49	Classroom	25	43	UB2
20	F50	Classroom	25	42	UB2
21	S32	Hydraulics Lab	12	80	UB2
22	S33	CNC Lab	12	80	UB2
23	S41	Lecture Room	55	80	UB2
24	S44	Lecture Room	55	80	UB2

No.	Room Number	Room name	Capacity	Area	Building
25	S50	Automation Lab	12	80	UB2
26	S51	Pneumatics Lab	12	80	UB2
27	UB4	Workshop	25	164	UB4
28	101	Classroom	40	50	UB1
29	104	Classroom	40	50	UB1
30	106	Classroom	40	50	UB1
31	110	Classroom	35	46	UB1
32	111	Lecture Hall	50	85	UB1
33	114	Lecture Hall	135	240	UB1
34	116	Lecture Hall	50	85	UB1
35	129	Classroom	40	50	UB1
36	132	Classroom	40	50	UB1
37	134	Classroom	40	50	UB1
38	138	Classroom	40	50	UB1
39	139	Lecture Hall	50	85	UB1
40	142	Lecture Hall	135	240	UB1
41	144	Lecture Hall	50	85	UB1
42	145	Classroom	40	50	UB1
43	154	Classroom	40	48	UB1
44	159	Classroom	40	50	UB1
45	119	Chemistry Lab 1	24	65	UB1
46	121	Chemistry Lab 2	24	65	UB1
47	32	physics lab 1	30	75	UB1
48	33	physics lab 2	30	80	UB1

Parking lots

300 Cars @ UB1
90 Cars @ UB2

Green Area

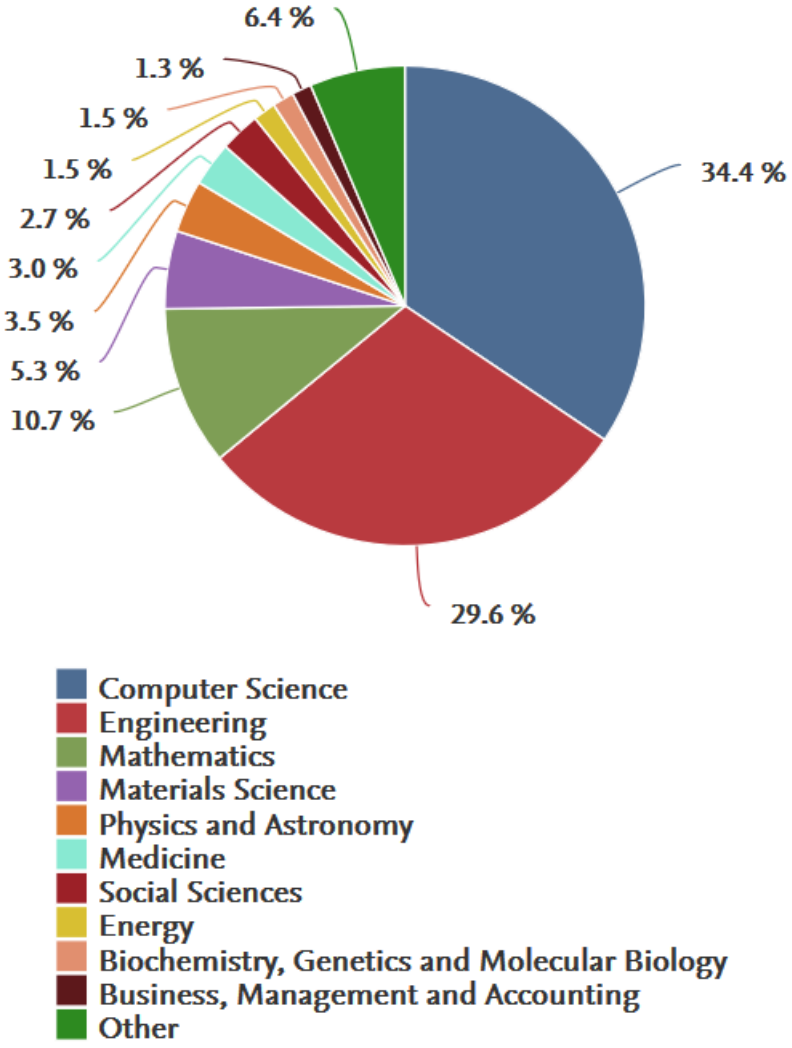
22000 Sqm including 2 football fields and 2 Volleyball fields

Bathrooms

Gender	Bathroom	Cabinets	PWD
Female	15	56	5
Male	15	56	5

Nile University Publications

According to Scopus on 2nd of May 2018, Nile University has more than 497 indexed publications in Computer Science, 428 in Engineering, 155 in mathematics, 76 in material science, and many in other disciplines. The distribution of these publication can be found in the next figure.



Local and International Collaborations

According to Scopus on 2nd of May 2018, Nile University has collaboration with more than 100 institutions around the world. The following table shows an extract of Scopus.

Affiliation name	Documents
Cairo University	336
Cairo University Faculty of Engineering	156
Benha University	71
Alexandria University	49
American University in Cairo	42
Qatar University	39
Ohio State University	35
University of Sharjah	32
Universite Larbi Tebessi – Tebessa	32
Vel Tech Dr.RR & Dr.SR Technical University	27
German University in Cairo	23
Ain Shams University	21
Johns Hopkins University	19
Fayoum University	17
Atomic Energy Authority of Egypt	15
National Telecommunication Institute, Cairo	14
University of Calgary	13
Northwestern University	13
KU Leuven	13
Military Technical College, Cairo	13
NCRRT	12
King Abdulaziz City for Science and Technology	12
Universiteit Hasselt	11
University of Alabama	11
Universite de Tunis El Manar, Faculte des Sciences de Tunis	11
Newcastle University, United Kingdom	10
University of Central Florida	10
Helwan University	10
Interuniversity Micro-Electronics Center at Leuven	10

Affiliation name	Documents
Pennsylvania State University	9
Princeton University	9
University of Texas at Dallas	9
National Research Centre	9
Carleton University	9
Panepistimion Patron	9
International Medical Equipment Collaborative	8
Institute for Materials Research Hasselt University	8
King Abdullah University of Science and Technology	8
Virginia Polytechnic Institute and State University	7
Helmholtz-Zentrum Berlin für Materialien und Energie HZB	6
Sabanci Universitesi	6
Universitat Ulm	6
National Center of Radiation Research and Technology, Cairo	6
Imperial College London	6
Aristotle University of Thessaloniki	6
Intel Corporation	6
Universite Concordia	6
Hanoi University of Science and Technology	6
The Royal Institute of Technology KTH	5
University of Windsor	5
Universiteit Antwerpen	5
Universitat Heidelberg	5
University of Maryland	5
University of Tunis El Manar	5
Qatar Environment and Energy Research Institute	5
Mentor Graphics	4
Peerialism Inc	4
Egypt-Japan University of Science and Technology	4
National Telecom Regulatory Authority NTRA	4
General Motors	4
University of the West of England	4
Nokia Bell Labs	4
University of Minnesota Twin Cities	4
Qatar Foundation	4

Affiliation name	Documents
IBM, Egypt	4
Mentor Graphics	3
Imec Division IMOMEC - Partner in Solliance	3
Egyptian Atomic Energy Authority	3
McGill University	3
Harvard Medical School	3
Arab Academy for Science & Technology and Maritime Transport	3
University of Arizona	3
Periyar University	3
University of Texas at Austin	3
University of Florida	3
Benemerita Universidad Autonoma de Puebla	3
University of Rochester	3
Technische Universiteit Eindhoven	3
Universite de Monastir	3
Universite Badji Mokhtar – Annaba	3
Universite de Jijel	3
Universite Kasdi Merbah – Ouargla	3
Universite de Carthage	3
Imam Abdulrahman Bin Faisal university	3
University of Science and Technology	2
Forensic Medicine Authority	2
Diagnosoft, Inc.	2
Egypt-Japan University of Science and Technology E-JUST	2
Egypt-Japan University of Science and Technology E-JUST	2
Diagnosoft Inc.	2
Universita degli Studi di Padova	2
Misr University for Science and Technology	2
AAST	2
The Johns Hopkins School of Medicine	2
Higher Technological Institute	2
Mentor Graphics Corporation	2
Joint Institute for Nuclear Research, Dubna	2
Al-Azhar University	2
Rice University	2

Affiliation name	Documents
University of Houston	2
Delft University of Technology	2
University of California, Irvine	2
Linkopings universitet	2
CalPoly	2
Stanford University	2
Benha High Institute of Technology	2
Qualcomm Incorporated	2
National Cancer Institute of Cairo	2
Universitat Bielefeld	2
Universitat Tubingen	2
Nederlandse Organisatie voor toegepast natuurwetenschappelijk onderzoek- TNO	2
Suez Canal University	2
University of Surrey	2
Minufiya University	2
Kasr El-Aini School of Medicine	2
University Michigan Ann Arbor	2
Cairo University Faculty of Science	2
Microsoft Corporation	2
Desert Research Center, Cairo	2
University of California, Santa Barbara	2
University of Texas System	2
Institut National des Sciences Appliquees et de Technologie	2
Université de Bejaia	2
Université Oum El Bouaghi	2
Universite Hassiba Benbouali Chlef	2
Ecole Nationale d'Ingenieurs de Sfax	2
Sinai University	2
Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research	2
Ita-Suomen yliopisto	2
The University of Sadat City	2
Majmaah University	2
Universidad Tecnologica Centroamericana	2
National Cancer Institute	1
Institute of Aviation Engineering and Technology	1

Affiliation name	Documents
National Telecommunication Regulatory Authority	1
Concordia University	1
Virology and Immunology Unit	1
University of Applied Sciences	1
Pathology Department	1
Embedded Wireless Department	1
the Center of Excellence for Advanced Sciences	1
University of Maroua	1
University of Sharjah	1
Rheinisches Institut für Umweltforschung Abt. Planetenforschung	1
Xijing University	1

Publication Venues

In the past years, NU Faculty and research assistants published their contributions in several prestigious scientific journals and conferences. The following table shows an extract from Scopus

Source	Documents
Lecture Notes In Computer Science Including Subseries Lecture Notes In Artificial Intelligence And Lecture Notes In Bioinformatics	31
Proceedings Of The International Conference On Microelectronics Icm	20
Advances In Intelligent Systems And Computing	19
IEEE International Conference On Communications	16
Studies In Computational Intelligence	15
Fractional Order Control And Synchronization Of Chaotic Systems	14
IEEE International Symposium On Personal Indoor And Mobile Radio Communications PIMRC	14
IEEE Vehicular Technology Conference	14
2017 6th International Conference On Modern Circuits And Systems Technologies Mocast 2017	10
Globecom IEEE Global Telecommunications Conference	10
Midwest Symposium On Circuits And Systems	10
National Radio Science Conference NRSC Proceedings	10
Studies In Systems Decision And Control	10
2010 International Conference On Energy Aware Computing Iceac 2010	9
Conference Record Asilomar Conference On Signals Systems And Computers	9
IEEE Wireless Communications And Networking Conference Wcnc	9
Microelectronics Journal	9
2008 Cairo International Biomedical Engineering Conference Cibec 2008	8
AEU International Journal Of Electronics And Communications	8
Circuits Systems And Signal Processing	8
IEEE Transactions On Information Theory	8
2015 International Conference On Computing Networking And Communications Icnc 2015	7
ACM International Conference Proceeding Series	7
Procedia CIRP	7
Proceedings IEEE International Symposium On Circuits And Systems	7
2016 13th International Conference On Electrical Engineering Electronics Computer	6

Source	Documents
Telecommunications And Information Technology Ecti Con 2016	
BMC Bioinformatics	6
IEEE International Symposium On Information Theory Proceedings	6
IEEE Transactions On Communications	6
IEEE Transactions On Wireless Communications	6
International Journal Of Circuit Theory And Applications	6
Proceedings Of The IEEE International Conference On Electronics Circuits And Systems	6
2010 5th Cairo International Biomedical Engineering Conference Cibec 2010	5
Complexity	5
IEEE Transactions On Vehicular Technology	5
International Journal Of Modelling Identification And Control	5
Neural Computing And Applications	5
2011 International Conference On Energy Aware Computing Iceac 2011	4
2016 39th International Conference On Telecommunications And Signal Processing Tsp 2016	4
2016 3rd International Conference On Advances In Computational Tools For Engineering Applications Actea 2016	4
2017 European Conference On Circuit Theory And Design Ecctd 2017	4
Communications In Computer And Information Science	4
Iet Image Processing	4
Procedia Computer Science	4
Proceedings Annual Conference Canadian Society For Civil Engineering	4
Proceedings Of SPIE The International Society For Optical Engineering	4
Proceedings Of The Annual International Conference On Mobile Computing And Networking MOBICOM	4
2012 Cairo International Biomedical Engineering Conference Cibec 2012	3
2013 25th International Conference On Microelectronics Icm 2013	3
2013 3rd International Conference On Communications And Information Technology Iccit 2013	3
2013 9th International Conference On Innovations In Information Technology Iit 2013	3
2014 12th International Symposium On Modeling And Optimization In Mobile Ad Hoc And Wireless Networks Wiopt 2014	3
2014 21st IEEE International Conference On Electronics Circuits And Systems Icecs 2014	3
2014 IEEE International Conference On Communications Icc 2014	3

Source	Documents
3rd International Conference On New Technologies Mobility And Security Ntms 2009	3
Eurasip Journal On Wireless Communications And Networking	3
ICASSP IEEE International Conference On Acoustics Speech And Signal Processing Proceedings	3
ICT 2010 2010 17th International Conference On Telecommunications	3
IEEE Information Theory Workshop 2010 Itw 2010	3
IEEE Journal Of Photovoltaics	3
Infos2010 2010 7th International Conference On Informatics And Systems	3
International Conference On Engineering And Technology ICET 2012 Conference Booklet	3
International Journal Of Automation And Control	3
Iscas 2012 2012 IEEE International Symposium On Circuits And Systems	3
Journal Of Advanced Research	3
Lecture Notes Of The Institute For Computer Sciences Social Informatics And Telecommunications Engineering Lnicst	3
Mathematical Problems In Engineering	3
Proceedings 2015 International Conference On Science And Technology Ticst 2015	3
Proceedings International Conference On Image Processing Icip	3
Proceedings International Symposium On Biomedical Imaging	3
Proceedings Of The IEEE International Conference On Computer Vision	3
Progress In Biomedical Optics And Imaging Proceedings Of SPIE	3
Wireless Communications And Mobile Computing	3
2010 3rd International Conference On Thermal Issues In Emerging Technologies Theory And Applications Proceedings Theta3 2010	2
2010 48th Annual Allerton Conference On Communication Control And Computing Allerton 2010	2
2011 IEEE Wireless Communications And Networking Conference Wcnc 2011	2
2014 36th Annual International Conference Of The IEEE Engineering In Medicine And Biology Society Embc 2014	2
2014 IEEE Global Conference On Signal And Information Processing Globalsip 2014	2
2015 IEEE International Conference On Communication Workshop Iccw 2015	2
2016 8th Cairo International Biomedical Engineering Conference Cibec 2016	2
2017 13th International Wireless Communications And Mobile Computing Conference Iwcmc 2017	2
2017 International Conference On Computing Networking And Communications Icnc 2017	2
Biomed Research International	2

Source	Documents
Chemelectrochem	2
Computer And Network Security Essentials	2
Construction Research Congress 2010 Innovation For Reshaping Construction Practice Proceedings Of The 2010 Construction Research Congress	2
IEEE Communications Letters	2
IEEE Conference On Intelligent Transportation Systems Proceedings ITSC	2
IEEE Journal On Selected Areas In Communications	2
IEEE Transactions On Circuits And Systems I Regular Papers	2
IEEE Transactions On Information Forensics And Security	2
IEEE Transactions On Mobile Computing	2
IEEE Transactions On Signal Processing	2
IEEE Workshop On Signal Processing Advances In Wireless Communications Spawc	2
Iamot 2016 25th International Association For Management Of Technology Conference Proceedings Technology Future Thinking	2
Incas Bulletin	2
International Journal Of Computer Applications In Technology	2
International Journal Of Computing Science And Mathematics	2
Journal Of Bioinformatics And Computational Biology	2
Journal Of Cleaner Production	2
Journal Of Magnetism And Magnetic Materials	2
Journal Of Performance Of Constructed Facilities	2
Journal Of Physics Conference Series	2
Journal Of Physics D Applied Physics	2
Journal Of The American College Of Cardiology	2
Plos One	2
Proceedings 1st International Conference On Arabic Computational Linguistics Advances In Arabic Computational Linguistics Acling 2015	2
Proceedings 2011 IEEE 7th International Conference On Intelligent Computer Communication And Processing Iccp 2011	2
Proceedings 2012 7th International Conference On Availability Reliability And Security Ares 2012	2
Proceedings 2013 8th International Conference On Computer Engineering And Systems Icces 2013	2
Proceedings IEEE INFOCOM	2
Proceedings Of 2013 6th Joint IFIP Wireless And Mobile Networking Conference Wmnc	2

Source	Documents
2013	
Proceedings Of The 2010 10th International Conference On Intelligent Systems Design And Applications Isda 10	2
Proceedings Of The 7th Cairo International Biomedical Engineering Conference Cibec 2014	2
Proceedings Of The Annual International Conference Of The IEEE Engineering In Medicine And Biology Society EMBS	2
Proceedings The 2009 International Conference On Computer Engineering And Systems Icces 09	2
Radioengineering	2
Scientific Reports	2
Semeval 2016 10th International Workshop On Semantic Evaluation Proceedings	2
Thin Solid Films	2
Wireless Networks	2
11th Middle Eastern Simulation Multiconference Mesm 2010 1st Gameon Arabia Conference Gameon Arabia 2010	1
12th IEEE International Conference On E Health Networking Application And Services Healthcom 2010	1
2009 3rd International Conference On Pervasive Computing Technologies For Healthcare Pervasive Health 2009 Pcthealth 2009	1
2009 IEEE Information Theory Workshop Itw 2009	1
2009 IEEE Symposium On Computational Intelligence In Bioinformatics And Computational Biology Cibcb 2009 Proceedings	1
2010 3rd International Symposium On Applied Sciences In Biomedical And Communication Technologies Isabel 2010	1
2010 4th International Conference On Bioinformatics And Biomedical Engineering Icbbe 2010	1
2010 7th IEEE Consumer Communications And Networking Conference Ccnc 2010	1
2010 IEEE Information Theory Workshop Itw 2010 Proceedings	1
2010 IFIP Wireless Days Wd 2010	1
2010 International Conference On Body Sensor Networks Bsn 2010	1
2010 International Conference On Networking Sensing And Control Icnsc 2010	1
2011 4th IFIP International Conference On New Technologies Mobility And Security Ntms 2011 Proceedings	1
2011 IEEE Conference On Computer Communications Workshops INFOCOM Wkshps 2011	1
2011 IEEE Consumer Communications And Networking Conference Ccnc 2011	1

Source	Documents
2011 IEEE International Conference On Signal And Image Processing Applications Icsipa 2011	1
2011 IEEE International Symposium On Dynamic Spectrum Access Networks Dyspan 2011	1
2011 IEEE Workshop On Applications Of Computer Vision Wacv 2011	1
2011 International Conference For Internet Technology And Secured Transactions Icitst 2011	1
2012 10th International Symposium On Modeling And Optimization In Mobile Ad Hoc And Wireless Networks Wiopt 2012	1
2012 11th International Conference On Information Science Signal Processing And Their Applications Isspa 2012	1
2012 19th International Conference On Telecommunications ICT 2012	1
2012 8th International Conference On Informatics And Systems Infos 2012	1
2012 IEEE EMBS Conference On Biomedical Engineering And Sciences Iecbes 2012	1
2012 IEEE International Conference On Information And Automation Icia 2012	1
2012 IEEE International Conference On Robotics And Biomimetics Robio 2012 Conference Digest	1
2012 IEEE International Electric Vehicle Conference Ievc 2012	1
2012 IEEE International Power Engineering And Optimization Conference Peoco 2012 Conference Proceedings	1
2012 IEEE Wireless Communications And Networking Conference Workshops Wcncw 2012	1